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ASTROGRAPHIC CATALOGUE

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OXFORD SECTION

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FROM PHOTOGRAPHS TAKEN AND MEASURED AT THE
UNIVERSITY OBSERVATORY, OXFORD

UNDER THE DIRECTION OF

HERBERT HALL TURNER, M.A., D.Sc., F.R.S.
SAVILIAN PROFESSOR OF ASTRONOMY

VOL. I.

MEASURES OF
RECTANGULAR CO-ORDINATES AND DIAMETERS
OF 65750 STAR IMAGES

ON PLATES WITH CENTRES IN

DEC. + 31°

EDINBURGH
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE
By NEILL & COMPANY, Ltd. Bellevue

1906

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ASTRONOMY DEPT.

IT SEEMS FITTING,

NOW THAT THIS WORK IS COMPLETED,

TO RECALL THE FACT THAT

BUT FOR THE TIMELY GENEROSITY OF

WARREN DE LA RUE,

IT WOULD NEVER HAVE BEEN BEGUN.

HIMSELF A PIONEER

IN APPLYING PHOTOGRAPHIC PROCESSES TO ASTRONOMY,

BY HIS WISE GIFTS

HE ENCOURAGED OTHERS IN THE SAME FIELD.

HIS BENEFACTIONS TO THE

OXFORD UNIVERSITY OBSERVATORY

BEGAN WITH ITS INCEPTION,

AND ENDED ONLY WITH HIS OWN DEATH.

HE DESIRED IT TO BE RECORDED

ON THE TELESCOPE USED FOR THIS WORK

THAT HE GAVE IT TO THE UNIVERSITY

IN HONOUR OF PROFESSOR PRITCHARD,

WHOM HE THUS ENABLED TO EMBARK

UPON A NEW AND ARDUOUS ENTERPRISE

AT THE AGE OF 79.

670870

ERRATA IN VOLUME I.

(ZONE + 31°).

(*a*) In the following instances, the Reference Number is erroneously printed: the correction being obvious when attention is drawn to the instance :—

Nos. 2410, 2413, 7529, 10932, 23953, 28253, 36754, 60710.

(*b*) No. 50642 should *not* have an asterisk attached.

(*c*) In the following instances, the convention for sequence has been inadvertently broken, the larger x preceding the smaller: *but in these and similar instances the printed numbers must stand, in order to avoid confusion.*

Nos. 16201–2, 23139–40, 25076–7, 25908–9, 28453–4, 29916–7, 33310–1, 35870–1, 41451–2, 44514–5, 45387–8, 47879–80, 53852–3.

(*d*) In the following instances, there is either an error or the type appears to be defective,—at any rate, in some copies: and the correct or complete record is given below :—

No.		No.	
1098	$x=22\cdot731$	30806	$x=23\cdot375$
4345	$y=6\cdot344$	33439	$x=18\cdot962$
7258	$y=7\cdot920$	42587	$x=22\cdot485$, $y=19\cdot655$
12667	$x=4\cdot736$	43974	$y=19\cdot956$
12926	$y=13\cdot374$	48291	$x=14\cdot474$
13935	$y=13\cdot755$	50229	$y=25\cdot704$
14149	$y=19\cdot210$	52457	$y=25\cdot578$
14772	$x=7\cdot066$	56470	$x=1\cdot886$
16188	$y=5\cdot451$	63259	$y=14\cdot738$
18675	$x=5\cdot216$	63260	$y=14\cdot496$
19819	$y=24\cdot411$	72116	$y=8\cdot604$
20132	$y=24\cdot565$	73106	$x=0\cdot113$
20984	$y=4\cdot711$	73347	$y=5\cdot740$
28742	$x=1\cdot861$	73401	$y=12\cdot426$

Errata in paper on *Differential Refraction* in *Monthly Notices, R.A.S.*, vol. lvii. p. 133: quoted on p. xli. of the Introduction to this volume.

p. 134. In Fig. 1, *S* and *S′* are transposed: compare Fig. 2, which is correct.

p. 136. line 7, *for* $\frac{\pi}{180\times60\times60}$ *read* $\frac{\pi}{180\times60\times60\times40}$.

,, line 8, *for* $(1+\frac{1}{6}X^2)$ *read* $(1+\frac{1}{6}X)^2$.

,, line 12, insert the sign = before the final X.

,, line 19, *for* $(X-x)$ *read* $(x-X)$: and *for* $(Y-y)$ *read* $(y-Y)$.

,, line 20, *et seq.* It should have been stated that Y has been taken as zero.

p. 137. line 8, *for* $-\frac{r-\mu r}{1+\mu r^2}$ *read* $=\frac{r-\mu r}{1+\mu r^2}$.

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OXFORD ASTROGRAPHIC CATALOGUE,
1900.

VOL. I.

INTRODUCTION.

[For convenience of comparison, the general arrangement of the Introduction to Vol. I. of the *Greenwich Astrographic Catalogue* has been followed throughout. It is intended to publish the Oxford portion of the Catalogue in eight volumes, of which Vols. I. to VII. will contain the measures, and Vol. VIII. the discussions.]

I.—HISTORICAL SUMMARY.

On the invitation of the French Academy of Sciences, an International Congress on Astronomical Photography, at which fifty-six representative Astronomers from all parts of the world were present, was held at Paris in April 1887. A scheme was approved for the photographic mapping of the heavens by the concerted action of the following eighteen observatories in both hemispheres :—

Observatories.	Latitude.	Zone in Declination.	No. of Plates.
Greenwich	+ 51° 29′	+ 90° to + 65°	1149
Rome	+ 41 54	+ 64 to + 55	1040
Catania	+ 37 30	+ 54 to + 47	1008
Helsingfors	+ 60 9	+ 46 to + 40	1008
Potsdam	+ 52 23	+ 39 to + 32	1232
Oxford	+ 51 46	+ 31 to + 25	1180
Paris	+ 48 50	+ 24 to + 18	1260
Bordeaux	+ 44 50	+ 17 to + 11	1260
Toulouse	+ 43 37	+ 10 to + 5	1080
Algiers	+ 36 48	+ 4 to − 2	1260
San Fernando	+ 36 28	− 3 to − 9	1260
Tacubaya	+ 19 24	− 10 to − 16	1260
Santiago (Chili)	− 33 27	− 17 to − 23	1260
La Plata *	− 34 55	− 24 to − 31	1360
Rio Janeiro †	− 22 54	− 32 to − 40	1376
Cape of Good Hope . . .	− 33 56	− 41 to − 51	1512
Sydney	− 33 52	− 52 to − 64	1400
Melbourne	− 37 50	− 65 to − 90	1149

* Since superseded by Cordoba. † Since superseded by Perth (W. Australia).

According to this scheme, two sets of photographs, each covering 2° by 2°, on a scale of $1^{mm.}$ to 1′, were to be taken, one with long exposure ($40^{m.}$ to $60^{m.}$) to form a photographic map of the whole sky (astrographic chart), and the other with short exposures ($6^{m.}$, $3^{m.}$, and $20^{sec.}$), from which a catalogue of reference stars would be formed. No attempt has, however, been made to take the long-exposure series at Oxford, as there has never been the least prospect of obtaining funds for publishing the charts, either at Oxford or at the majority of the participating observatories. What follows, therefore, relates entirely to the short-exposure or Catalogue plates. These plates cover the sky twice, the centres of one complete set being generally at the corners of the other set. A *réseau* of cross-lines $5^{mm.}$ apart is photographed on each plate, and facilitates the determination of positions of stars. The original intention in using this *réseau* was to check possible deformations of the film, about which very little was known in 1887, but which have since been found to be negligible for the present purpose.

Professor Pritchard was unable to attend the Congress of 1887, but sent a letter to Admiral Mouchez signifying his desire to take part in any co-operative scheme determined upon, if the resources of the Oxford University Observatory would permit. Unfortunately, it seemed at first as though the decision to use a definite pattern of refracting telescope for the work would prevent his participating. He had hoped that the 13-inch de la Rue reflector, with which he had already obtained good star photographs, might suffice; but this hope was extinguished by the decision; while it seemed unlikely that the University would provide funds for an instrument of the kind selected. At this juncture the late Dr de la Rue, who had already done much for the University Observatory, came to the rescue. He wrote the following letter:—

THE ROYAL SOCIETY,
BURLINGTON HOUSE, LONDON, W.,
June 16th, 1887.

MY DEAR PRITCHARD,—It gave me very great pleasure to learn that the Visitors of the Oxford University Observatory, recognising the value of your photo-astronomical work, are about to request the University to vote for five years the sum of £600 per annum to enable you to continue the work.

I am myself deeply sensible of the value of your work, and, provided the University will accept my offer, I will present to it, in your honour, the sum of £500, to enable it to procure the conversion of the Grubb telescope into an astronomical photographic of the very highest order.

A cheque will immediately follow the acceptance of this offer.—Yours sincerely,

WARREN DE LA RUE.

On June 22 the offer of £500 was increased to £600, as it appeared that the former sum was not quite sufficient. The offer was communicated to the Vice-Chancellor on

July 4, but owing to the Long Vacation could not come before the University for some months. In sending the cheque to the Vice-Chancellor, Dr de la Rue desired that an inscription might be affixed to the telescope, stating that his gift was in honour of Professor Pritchard. It was gratefully accepted on November 15, 1887.

But the construction of the instrument was not a simple matter. The pattern to be copied had an object-glass of 13 inches aperture and 11¼ feet focal length, corrected for photographic rays. It had been made, as the outcome of a series of experiments, by the Brothers Henry, of the Paris Observatory; but it was the first of its kind, and when Mr (now Sir) Howard Grubb, of Dublin, undertook to make similar object-glasses for Greenwich, the Cape, Oxford, and Tacubaya, he had many problems to solve. They were only solved by a series of trials, at first with small lenses, and ultimately with trial objectives of the specified size. Photographs of stars were taken with these, and from an examination of the images the requisite optical corrections were inferred; but the experiments involved much work at the Greenwich and Oxford University Observatories, and much correspondence between the Astronomer Royal and Professor Pritchard. The following extract from Professor Pritchard's report dated June 12, 1890, illustrates this fact:—

"Practically the instrument" (the proposed photographic equatorial) "is in the same incomplete condition in which I described it twelve months ago. During this year very much time has been expended on the repeated examination of several object-glasses, none of which have hitherto proved wholly satisfactory. Inasmuch, however, as at least two object-glasses have actually been constructed and despatched to their destination, I indulge in the hope that this Observatory also may possibly not long continue unprovided with the means of prosecuting the project of the international chart. In order to facilitate and hasten the construction of these novel and troublesome lenses, I sanctioned a prolonged visit of Mr Jenkins" (second assistant) "to the workshop of Sir Howard Grubb, where he remained for five weeks, and with the results of this visit Sir Howard has expressed his entire satisfaction."

In the next report, dated June 18, 1891, it was announced that the object-glass had been received, severely tested, and found satisfactory, and that the instrument was in all respects ready for work. The photographic telescope had been firmly attached to the existing Grubb refractor (visual) of 12¼ inches aperture and 175 inches focal length; the latter being rendered available as a guiding telescope by the addition of a "micrometer of a somewhat unusual construction, to permit the observation of stars at a large angular distance from the optical axis."

During the early months, work was in an experimental stage, photographs being taken, as at Greenwich and elsewhere, with various screens in front of the object-glass, with a view to the establishment of some photometric scale. The first plate which has been measured for our published work was taken on 1892 January 4, with centre R.A. $3^h\ 8^m$, Dec. +25°, and five other plates taken on January 6 have been kept, all these having exposures of $10^{min.}$ and $5^{min.}$ But the regular series did not begin until the following August. The plates were taken more or less in the order of

declination, the zones with centres +25°, +26°, and +27° being taken first. The following table shows the dates of completion of the zones, *i.e.* all plates taken, measured and reduced :—

Plate Centre.	Distance between Centres.	No. of Plates.	Date of Completion.
+ 25°	8^m	180	1900 May 31
+ 26	8	180	1900 Dec. 31
+ 27	8	180	1900 Dec. 31
+ 28	9	160	1901 Dec. 31
+ 29	9	160	1901 Dec. 31
+ 30	9	160	1903 June 30
+ 31	9	160	1904 Feb. 17

The completion of the whole work was delayed in a curious way. In the early months of 1903 great efforts were made to secure all the plates outstanding before daylight made gaps in the series; and it was distressing to find that a whole batch of plates were, by some accident, of inferior quality, so that several long nights' work must be done all over again. In the course of the repetition of the work, *Nova Geminorum* was discovered. A plate exposed on 1903 March 16 was again rejected because of a large error in setting. The reason of the error was not investigated until March 24, but it was then seen that a strange object on the plate had been mistaken for the intended guiding star, which followed $1^{min.}$ later on the same declination. On examination, it seemed probable that the object was a Nova, and news was telegraphed to Kiel and elsewhere. It was subsequently found from the Harvard plates that the star had been of the 5th magnitude on March 6, though on about two hundred photographs taken during the previous thirteen years, up to and including February 28 and March 1, 1903, there was no object so bright as the 12th magnitude shown.

Professor Pritchard was already an old man when he enthusiastically accepted from Dr de la Rue the means of embarking on a new enterprise. Born in 1808, he did not enter upon his professional career as an astronomer until 1870, when he was appointed Savilian Professor of Astronomy at Oxford, at the age of 62. There was then no University Observatory worthy of the name, the Radcliffe Observatory being under the control of a Board of Trustees quite independent of the University, who had allowed the Savilian Professor the use of their Observatory from its foundation in 1772 to 1839, but from that date had appointed their own Radcliffe Observer. Pritchard induced the University to build an observatory of their own in 1873, and had completed two considerable pieces of work, a photometric survey of the brighter stars (*Uranometria Nova Oxoniensis*) and a photographic determination of the parallaxes of second magnitude stars, when he embarked, at the age of 84, on the taking of the plates for the Oxford share of the Astrographic Catalogue. He did not live to see great progress made with the work; his health failed, imperceptibly at first, but rapidly towards the end, and he died on May 28, 1893.

His successor was appointed in the following December, and, after an interval spent in winding up matters connected with the Royal Observatory, Greenwich, came to Oxford permanently in March 1894. He found that a considerable number of

plates had been taken by Mr F. A. Bellamy, who had joined the Observatory staff on September 1, 1892; but nothing in the way of systematic measurement had been attempted. A micrometer had indeed been devised for measuring the plates, and constructed by Messrs Troughton and Simms; but it had not been used on the Catalogue plates, though some Pleiades plates had been measured; and it was suitable for measuring but one co-ordinate at a time. A more rapid method of measurement was accordingly arranged about the same time as at Greenwich, and on similar lines, except that it was not found possible to purchase a "duplex" micrometer. It was soon realised that the work of measuring the plates would be very serious, and, after making trial of volunteer help for two years, application was made in 1896 to the Government Grant Fund for aid. The application was favourably received, and in seven successive years a total sum of £1000 was granted to the Observatory for measuring and reducing the plates. It was thus rendered possible to engage the services of several computers, generally boys from the New College Choir School, of from 14 to 19 years of age, who learnt to measure and reduce the plates, and with their aid the work was completed as above. Two exceptions may be mentioned: Mr T. J. Moore, a working gardener living near Doncaster, who had already shown much interest in Astronomy, was entrusted with a micrometer at his own home, and measured a considerable number of plates (indeed, nearly one-fifth of the whole) in his spare time, which was naturally considerable in the winter; and Miss E. F. Bellamy copied the measures for press at her home in Oxford, besides measuring twenty plates and doing other computations. All the other work was done at the Observatory, except the bringing up of the Cambridge and Berlin places from 1875·0 to 1900·0.

Mr Bellamy has himself taken the great majority of the plates, and developed nearly all. He has also superintended the whole of the measures and reductions. The following persons have taken a share in the measurement of the plates:—

Name.	Limiting Dates.	Initials.
Prof. H. H. Turner	Throughout	HT
Mr F. A. Bellamy	Throughout	FB
Mr F. W. A. Bennett	1894 Oct.–1897 Mar.	B
Miss K. E. Turner	1894 Oct.–1896 Nov.	KT
Mr J. Fairgrieve	1895 Jan.–1895 July	JF
Mr H. A. Freeborn	1896 May–1898 July	F
Mr R. J. Horsley	1896 Sept.–1898 July	H
Mr F. C. H. Carpenter	1896 Oct.–1899 Sept.	C
Mr T. J. Moore	1896 Oct.–1901 Aug.	TM
Mr H. F. Mullis	1897 Feb.–1901 July	M
Mr A. C. Garland	1897 Mar.–1897 April	G
Mr B. G. C. Gray	1897 Nov.–end of work	BG
Mr F. W. Henkel	1897 Nov.–1898 July	FH
Miss E. F. B. Bellamy	1899 July–1900 April	EB
Mr E. A. Gray	1900 Jan.–end of work	EG

Name.	Limiting Dates.	Initials.
Mr S. C. Cole	1900 Aug.–1900 Nov.	SC
Mr H. C. Plummer	1901 Nov.–end of work	P
Mr F. H. Scragg	1901 Nov.–end of work	S
Mr F. F. Lovegrove	1902 Sept.–1902 Nov.	L

In 1902, when the end of the work came in sight, it was fully time to consider the question of printing. It was hoped that, as the University had been relieved of a considerable part of the cost of the measuring and reduction, they might be able to provide funds for printing the results; but their financial situation at the time was straitened, and the Hebdomadal Council, after appointing a committee to consider the matter, could only "inform the Visitors of the University Observatory that the Council thinks that speedy publication is very desirable, but that the University Chest cannot at present find the funds. They therefore recommend that attempts should be made, in the first instance, to raise the money, estimated at £2000, from other sources" (May 4, 1903). Application was accordingly made to the Royal Society, who approached the Government upon the subject. By their friendly intercession it was ultimately arranged that the observations should be printed by H.M. Stationery Office, the expense being borne by the Government and the University in equal portions. The Decree of Convocation confirming the arrangement on the part of the University is dated March 14, 1905. But an expedition to Egypt to observe the Total Solar Eclipse of August 30, 1905, was then contemplated; and by request of the Savilian Professor, the commencement of the printing was deferred until the return of the expedition. The first portion of MS. was sent off at the end of the year, and the first proof received on December 26, 1905. It may be mentioned that, as a safeguard against destruction of the whole work, the copy for press was, by the kind permission of the Bodleian Librarian, deposited in the Savilian Library on June 30, 1903.

It has been decided to print the Zones in the inverse order, Vol. I. containing Zone +31°, which was the last to be measured. This will give longer time for the revision of the early work; it may be possible, for instance, to replace some of the plates which were accepted at the outset but do not come up to later standards. There seems to be no doubt that the sensitiveness of the plates gradually increased during the course of the work, and this is one good reason for the deficiencies (in number of stars) of some plates measured in the earlier years: to which may be added the better knowledge, gained by experience, of what constitutes a night fine enough for taking satisfactory plates.

During the course of the work the following papers relating to it, or arising out of it, have been published, chiefly by members of the staff:—

"Preliminary Note on the Reduction of Measures of Photographic Plates." By H. H. Turner, *Mon. Not. R.A.S.*, liv. p. 11 (Nov. 1893).

"Some Measures of Photographs of the Pleiades at the Oxford University Observatory." By H. H. Turner, *Mon. Not. R.A.S.*, liv. p. 489 (June 1894).

"On the Measurement and Reduction of the Plates for the Astrographic Chart." By H. H. Turner, *Mon. Not. R.A.S.*, lv. p. 102 (Jan. 1895).

"Sur la réduction des Mesures des clichés photographiques." Par Professor H. H. Turner (Mars 1895), *Bulletin du Comité International Permanent de la Carte du Ciel*, tome ii. 347.

"On the Angular Distance of Two Stars in the Pleiades suitable for determining the Value of a Micrometer Screw." By H. H. Turner, *Mon. Not. R.A.S.*, lv. p. 419 (June 1895).

"On Simple Apparatus for measuring Stellar Photographs." By H. H. Turner, *Jour. of the Brit. Ast. Ass.*, vol. v. p. 400 (June 24, 1895).

"Note on the Measurement of Paper Prints of Stellar Photographs." By H. H. Turner, *Mon. Not. R.A.S.*, lvi. p. 26 (Nov. 1895).

"On the Systematic Errors of Measures on Photographic Plates." By H. H. Turner, *Mon. Not. R.A.S.*, lvi. p. 310 (March 1896).

"On Differential Refraction for Photographic Measures." By H. H. Turner, *Ast. Jour.*, vol. xvii., No. 390, p. 45 (Dec. 10, 1896).

"On Differential Refraction to Terms of Higher Order than the First." By H. H. Turner, *Mon. Not. R.A.S.*, lvii. p. 133 (Jan. 1897).

"Personality in Measurements of Photographs for the Astrographic Catalogue, at the University Observatory, Oxford." By H. H. Turner, *Mon. Not. R.A.S.*, lvii. p. 621 (Oct. 1897).

"Note on Dr Gill's paper, 'On a New Instrument for measuring Astrophotographic Plates' (*Mon. Not.*, lix. p. 61)." By H. H. Turner, *Mon. Not. R.A.S.*, lix. p. 135 (Jan. 1899).

"On the Errors of Star Photographs due to Optical Distortion of the Object-glass with which the Photograph is taken." First and second papers. By H. H. Turner, *Mon. Not. R.A.S.*, lix. p. 438 and p. 466 (May 1899).

"On the Curvature of Star-trails on a Photographic Plate as a means of Investigating Optical Distortion." By H. H. Turner, *Mon. Not. R.A.S.*, lix. p. 478 (May 1899).

"On the Variation of Personal Equation with Stellar Magnitude in Observations made at Cambridge, Berlin, and Greenwich; as deduced from Measures of Photographic Plates taken at Oxford." By H. H. Turner, *Mon. Not. R.A.S.*, lx. p. 3 (Nov. 1899).

"On the Distribution of Stars Photographed at the University Observatory, Oxford, for the Astrographic Catalogue, for Zones +25° to +29°." By F. A. Bellamy, *Mon. Not. R.A.S.*, lx. p. 12 (Nov. 1899).

"On the Proper Motions of Berlin B., Nos. 5072 and 5073." By F. A. Bellamy, *Mon Not. R.A.S.*, lx. p. 125 (Dec. 1899).

"On a Simple Method of comparing the Bonn Durchmusterung with Photographic Plates." By H. H. Turner, *Mon. Not. R.A.S.*, lx. p. 427 (Mar. 1900).

"Note on the Accuracy of the Star Charts published by the French Observatories as Reproductions of the Plates of the Astrographic Chart." By H. H. Turner, *Mon. Not. R.A.S.*, lx. p. 617 (Oct. 1900).

"On the near Approach of the Planet Eros to a Star (B.D. + 48°; 759)." By F. A. Bellamy, *Mon. Not. R.A.S.*, lxi. p. 16 (Nov. 1900).

"On a Cheap Form of Micrometer for determining Star Positions in Photographic Plates." By H. H. Turner, *Brit. Ass. Reports*, 1900, p. 676.

"Position of Nova Persei and 159 Stars within 25′ distance from it. From a Photograph taken at the University Observatory, Oxford." By F. A. Bellamy, *Mon. Not. R.A.S.*, lxi. p. 340 (Mar. 1901).

"Formulæ and Tables for connecting Co-ordinates of Stars on Different Photographs, especially Different Plates of the Astrographic Chart." By H. H. Turner, *Mon. Not. R.A.S.*, lxi. p. 422 (May 1901).

"Additional Note on the Position of Nova Persei and the Comparison of Photographic Magnitudes of Neighbouring Stars with those of Father Hagen's Chart and Catalogue." By F. A. Bellamy, *Mon. Not. R.A.S.*, lxi. p. 473 (May 1901).

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"Determination of Dr Küstner's Magnitude Equation from comparison of his Meridian Observations in Zones + 24° to + 27° with Measures of Photographic Plates taken at the University Observatory, Oxford." By H. H. Turner, *Mon. Not. R.A.S.*, lxii. p. 3 (Nov. 1901).

"On the Place of the Variable RU Herculis and Neighbouring Stars from Photographic Measures." By F. A. Bellamy, *Mon. Not. R.A.S.*, lxii. p. 73 (Nov. 1901).

"On an Exceptional Case in the Determination of the Constants of a Photographic Plate from Known Stars." By H. H. Turner, *Brit. Ass. Reports*, 1901, p. 543.

"Note on the Comparison of Photographs with Meridian Catalogues. A reply to remarks by Professor Lewis Boss." By H. H. Turner, *Astr. Jour.*, vol. xxii., No. 519, p. 121 (March 31, 1902).

"On the Relative Number of Star Images Photographed in Different Parts of a Plate, and on the Performance of Various Object-glasses in this respect." By H. H. Turner, *Mon. Not. R.A.S.*, lxii. p. 434 (April 1902).

"On the Accuracy of Photographic Measures: Second Note." By H. C. Plummer, *Mon. Not. R.A.S.*, lxii. p. 506 (May 1902).

"Concerning the Magnitude Equation for the Cambridge Zones." By H. H. Turner, *Astron. Journal*, No. 523.

"On the Accuracy of Photographic Measures. Third Note: Reply to M. Loewy." By H. C. Plummer, *Mon. Not. R.A.S.*, lxiii. p. 14 (Nov. 1902).

"On the Suggestion made by Sir David Gill that the Brighter Fixed Stars are as a whole rotating with respect to Fainter Stars as a whole." By H. H. Turner, *Mon. Not. R.A.S.*, lxiii. p. 56 (Dec. 1902).

"A Note relating to the Preservation of Negatives." By F. A. Bellamy, *Mon. Not. R.A.S.*, lxiii. p. 71 (Dec. 1902).

"Note on a New Star in the Constellation of Gemini." By F. A. Bellamy, *Mon. Not. R.A.S.*, lxiii. p. 326 (April 1903). Also

"The Place of *Nova Geminorum*." By Dr Max Wolf, *Mon. Not. R.A.S.*, lxiii, p. 330 (April 1903).

"The New Star in Gemini." By H. H. Turner, *Roy. Inst. Gt. Brit.*, 1903, p. 1.

"The Astrographic Chart and Astrographic Methods." By H. H. Turner, *Professional Papers of the Corps of Royal Engineers*, xxix. p. 1 (1903).

"Positions of 166 Stars around *Nova Geminorum*, with a discussion of systematic differences between two exposures on the same plate." By F. A. Bellamy, *Mon. Not. R.A.S.*, lxiii. p. 512 (June 1903).

"On the Position of *X Geminorum*." By F. A. Bellamy, *Mon. Not. R.A.S.*, lxiii. p. 526 (June 1903).

"On the Possible Identity of *Nova Geminorum* with a Small Star photographed before the Outburst." By H. H. Turner, *Mon. Not. R.A.S.*, lxiii. p. 565 (Supp. No., 1903).

"On the Systematic Proper Motions of Bright Stars relatively to Faint Stars in the Oxford Zones ($+25°$ to $+31°$)." By H. H. Turner, *Mon. Not. R.A.S.*, lxiv. p. 3 (Nov. 1903).

"Note 'On the Positions of 166 Stars around *Nova Geminorum*, etc.'" By F. A. Bellamy, *Mon. Not. R.A.S.*, lxiv. p. 52 (Nov. 1903).

"On the Use of the Stereo-Comparator for plates on which a Réseau has been impressed." By Dr Max Wolf, *Mon. Not. R.A.S.*, lxiv. p. 112 (Dec. 1903).

"An Examination of the Relative Star-Density in Different Parts of the Plates forming the Harvard Photographic Sky-map." By J. C. W. Herschel, *Mon. Not. R.A.S.*, lxiv. p. 118 (Dec. 1903).

"Positions and Photographic Magnitudes of Ninety Stars surrounding the Variable *R Cygni*." By Joel H. Metcalf, *Mon. Not. R.A.S.*, lxiv. p. 437 (Mar. 1904).

"Note on the Optical Distortion of the Microscope of one of the Oxford Machines for measuring Astronomical Photographs." By H. C. Plummer, *Mon. Not. R.A.S.*, lxiv. p. 640 (May 1904).

"Note on the Influence of the Plate Constants on the Accuracy of the Position of an Object measured on a Photograph." By H. C. Plummer, *Mon. Not. R.A.S.*, lxiv. p. 645 (May 1904).

"An Analysis of the Distribution of Stars on the 1180 Plates in Zones $+25°$ to $+31°$ allotted to the University Observatory, Oxford, in connection with the International Astrographic Survey." By F. A. Bellamy, *Mon. Not. R.A.S.*, lxiv. p. 649 (May 1904).

"A Photographic Observation of (63) *Ausonia* in 1894." By H. H. Turner, *Astronomische Nachrichten*, clxiv. p. 27.

"A New Cluster in Cygnus, with Right Ascensions and Declinations of 103 Stars included in it." By F. A. Bellamy, *Mon. Not. R.A.S.*, lxiv. p. 662 (May 1904).

"Apparent Motion of Faint Stars relatively to Bright." By H. H. Turner, *Brit. Assoc. Report*, 1902.

"Variable Star No. 162, 1904." By H. H. Turner, *Astronomische Nachrichten*, clxiv. p. 288.

"Note on a Possible Source of Error in Measures of Star Places due to Defective Centring of the Object-glass." By H. H. Turner, *Mon. Not. R.A.S.*, lxv. p. 54 (Nov. 1904).

"The Positions of Seventy Stars in the Cluster *M. 13 Herculis.*" By H. C. Plummer, *Mon. Not. R.A.S.*, lxv. p. 79 (Nov. 1904).

"Further Note on the Origin of Magnitude-Equation in Photographic Measures." By H. H. Turner, *Mon. Not. R.A.S.*, lxv. p. 228 (Jan. 1905).

"On the Formula connecting Diameters of Photographic Images with Stellar Magnitude." By H. H. Turner, *Mon. Not. R.A.S.*, lxv. p. 755 (June 1905).

II.—THE INSTRUMENT.

As above stated, the photographic telescope is rigidly attached to the 12¼-inch visual telescope erected in 1874. The dome is of 23 feet diameter, and the top of the circular wall on which it rests is at a height of 26½ feet above the ground, forming the S.W. corner of the Observatory buildings. The original dome had become faulty in a number of ways, and was replaced in May–August 1900 by a new one. The following note on the shape of the old dome, written in 1873, may perhaps be recalled here:—

"The revolving domes are peculiar in their construction. Inasmuch as, by the great liberality of the University, permission has been given to place this observatory in the most convenient position within their beautiful park, it was thought proper to consider the architectural character of the building, at any rate to the small extent permitted by the astronomical exigencies of the case. With this view, the form of a lofty truncated dome was selected for the revolving roofs, rather than the usual and convenient form of a drum. This necessitated difficult and unusual contrivances for the shutters." (*Mon. Not. R.A.S.*, xxxiv. p. 52.)

The original contrivances were indeed too difficult, and were some years later replaced by others; but the arrangements were never very successful. The shutter opening was 3 feet 6 inches wide, and the shutters were pulled up and down, so that only a portion of the opening could be uncovered at any one time. So long as a single object-glass was to be pointed to the aperture, there was no great inconvenience; but when two telescopes are mounted side by side, and present themselves at different angles, it is much more difficult to get them both well clear of the shutters, especially during a long exposure. During 1893 and the early part of 1894 the dome was practically immovable, and the plates were taken through the fixed opening. It was repaired in 1894 (after taking plate 515), but got worse again. Hence the erection of the new dome in 1900 was welcome from many points of view: the only disadvantage noticed being that, with the wider opening introduced in 1900, there is greater danger of shake from wind. Further details about the situation of the Observatory and the old dome will be found in the paper above quoted (*Mon. Not. R.A.S.*, xxxiv. p. 49), and in another in vol. xxxvi. p. 1 (with a photograph of the buildings).

The new dome was erected by Messrs T. Cooke and Sons, of York, in the summer of 1900. It is 23½ feet in diameter; the shutter opening is 7¼ feet at the horizon and 3¾ feet at the zenith. There are two shutters, which open symmetrically, being pivotted about the opposite point of the base of the dome, and running on horizontal circular

rails of radius equal to the diameter of the dome. The dome is of papier-mâché, and weighs altogether four tons, being sufficiently heavy to be quite steady in wind.

The pier for the telescope is isolated from the floor, and goes through the computing room below and through the basement below that. It is built on a foundation of concrete 9 feet long, 7 feet wide, $4\frac{1}{2}$ feet deep, and tapers off to $4\frac{1}{2}$ feet by 3 feet at the top, which is 23 feet above the base. Like any other long stalk, it is sensitive to vibrations of the base. Thus, jumping on the floor of the dome causes no perceptible vibration of a star image in the telescope ; but if the wall of the dome be touched even gently (for instance, if the cog-wheel of the turning gear be turned through the "slack" between one tooth and the next, without actually moving the dome) the star image dances wildly, the vibration being transmitted down the walls to the ground, and up through the 23-foot pier to the telescope. Hence, if during an exposure it is necessary to move the dome, the exposing shutter must first be closed.

The instrument was constructed by Sir Howard Grubb, F.R.S., on the lines laid down by the *Congrès Astrographique Internationale pour le Levé de la Carte du Ciel* in 1887. It consists of a 13-inch photographic telescope mounted parallel to the $12\frac{1}{4}$-inch visual telescope, the steel tubes being firmly connected. The equatorial mounting is of the German form. The apertures of the object-glasses are $13^{\text{in.}}0$ or $0^{\text{m.}}33$ and $12^{\text{in.}}3$ or $0^{\text{m.}}31$ respectively, and the focal lengths are 11 feet 4 inches ($=3^{\text{m.}}44$) and 14 feet 6 inches ($=4^{\text{m.}}4$) ; so that on the photographic plate $1^{\text{mm.}}$ represents approximately $1'\cdot0$ [more exactly, the focal length of the photographic telescope is $3^{\text{m.}}457$, so that $1^{\text{mm.}}$ represents $0'\cdot992$]. The photographic telescope is corrected as regards spherical and chromatic aberration for rays near Fraunhofer's line G. It is arranged to carry a plate $16^{\text{cm.}}$ square, with special provision for exact focussing and orientation. The eye-piece of the $12\frac{1}{4}$-inch visual telescope is mounted on cross slides parallel and perpendicular to the equator, which are furnished with scales reading to 2″, and permit of the observation of a guiding star to a distance of 40′ from the centre of the field. The range of good images is more restricted than at other observatories, but it must be remembered that the $12\frac{1}{4}$-inch visual telescope was not constructed as a guiding telescope, and has the small field which sufficed before the introduction of photography, so that star images not near the centre are "winged." The mounting is arranged so as to allow of motion up to and beyond the meridian on each side without reversing the telescope, for declinations used in the present work. A large counterpoise is necessary, both because of the double weight, and of the distance from the polar axis of the two telescopes (2 feet).

The photographs for the Astrographic Catalogue were all taken with the telescope west of the pier, and usually within $1\frac{1}{2}^{\text{h}}$ of the meridian (see tables of details of plates). In this position the guiding telescope is below the photographic telescope when the instrument is pointing south. The focal adjustment was made so that the plate was placed somewhat within the focus for the centre of the plate, *i.e.* focussed on a circle of radius about 32′, so as to equalise the definition as far as practicable over the field (see *Mon. Not. R.A.S.*, lxii. p. 434). During the whole period no alteration was deliberately made in the focal adjustment or in the tilt of the object-glass ; but the

photographic object-glass was removed from its cell, and the lenses separated and cleaned, on 1894 March 7; and during the construction of the new dome in the summer of 1900, the object-glass was dismounted, and replaced as accurately as possible afterwards. All the photographs for the present volume were taken after the object-glass had been replaced. The photographic plate rests on three rounded agate points. These points have undoubtedly worn down during the work, and there has thus probably been a gradual change of focal adjustment. Evidence of this change was found by counting the stars in different parts of plates taken early and late (*Mon. Not. R.A.S.*, lxii. p. 444), and further details are being collected. If results of value are obtained, they will be given in Vol. VIII. of these observations.

Meantime the star density on the average plate at different distances from the centre may be taken approximately as below (*loc. cit.*):—

Distance from Centre,	0′	10′	20′	30′	35′	40′	50′	60′	70′	80′
No. of Stars,	86	86	90	95	100	95	90	78	64	50

Adjustments of Equatorial.

For plates of about 30° declination taken near the meridian the adjustments of the equatorial are not very important, and no particular attention was paid to them.

A pendulum control was at one time fitted to the driving-clock of the equatorial, but had been dismounted before 1892. There is an electric hand-control which was used throughout the working to correct small irregularities of driving due to refraction or imperfect adjustment.

No attempts were made to correct mechanically the orientation of the plates. The wearing of the agate side-bearings has no doubt caused a gradual change in the orientation with respect to the telescope head; but since experience showed that this did not remain accurately the same for consecutive plates, there was no particular advantage in spending time in adjustment, so long as the orientation did not become inconveniently large.

III.—PHOTOGRAPHIC.

For the great majority of the photographs of the Astrographic Catalogue, three exposures of $6^{m.}$, $3^{m.}$, and $20^{sec.}$ were given, the telescope being displaced in declination between the exposures. For a few plates (specified in the detailed tables) the exposures were shortened. These plates were always in the dense regions of the Milky Way, where the number of stars showed a tendency to become unmanageable in the later years, owing to the increase in sensitiveness of plates.

On a few plates several regions were photographed. The stars belonging to each were identified by displacing the telescope, between the $6^{m.}$, $3^{m.}$, and $20^{sec.}$ exposures, in different directions—to right, to left, up, and down. The advantage aimed at was a better determination of the plate constants, there being several determinations of scale value and orientation, instead of one only. But the inconvenience in measurement was found to outweigh the advantage gained, and the method was ultimately abandoned.

On measuring some of the early plates, the number of stars was found to be too small, as compared with the number shown in the *Bonn Durchmusterung*. From 1898 (Jan.) the number of stars on each plate was counted before commencing measurement, a "billiard-marker" being used in the counts, so that the observer could record, without removing his eye from the microscope, the number of stars showing the $20^{sec.}$ exposure (all three images) with the spot-ball marker, and the number showing only two images ($6^{m.}$ and $3^{m.}$) with the white-ball marker. The rule was to reject plates which did not show with two images at least three times the number of stars recorded by Argelander; but this rule was not adhered to in the Milky Way, as it was considered sufficient in a "Catalogue of Reference Stars" to measure a few hundred stars on a single plate, without attempting thousands.

The most sensitive plates were used:—from 1892 Jan. 1 (plate 69) to 1894 Nov. 17 (plate 564), either Ilford "Special Rapid" or Mawson and Swan's "Stellar"; from 1894 Nov. 19 (plate 565) to 1895 Aug. 31 (plate 833), Mawson and Swan's "Stellar"; from 1895 Aug. 31 (plate 834) to 1897 Jan. 27 (plate 1075), Mawson and Swan's "Stellar" or Elliott's "Rocket"; from 1897 July 13 (plate 1076) to the end of the work, Elliott's "Rocket" plates, with the exception of a few Ilford "Monarchs." Special thin plate glass has been used throughout, except for a few plates taken at the end of 1892, which were on ordinary glass.

The tables of details of the plates show the particular plate and developer used.

From 1900 Sept. 19 to 1901 Mar. 21 (plates 1607 to 1733) all the plates taken were for the planet Eros or Nova Persei.

The *réseau* which is photographed on each plate, to facilitate the measurement, is a film of silver on glass, on which lines are traced with a ruling machine in perpendicular directions at distances of $5^{mm.}$ or $5^{mm.}04$ apart. The latter distance was adopted to compensate for the too great focal length of the telescope, which should have been such as to give $1^{mm.} = 1'{\cdot}0$, but actually gave $1'{\cdot}0 = 1^{mm.}008$. But the ruling was naturally more difficult, and it was not until the third attempt that a satisfactory *réseau* was produced, there being a line misplaced in each of the two former. Unfortunately, the first error was not discovered until a number of plates had been taken which it was considered desirable to measure, and a troublesome allowance for the error was necessary. The following is a list of *réseaux* used at the Observatory, the particular one used for each plate being specified in the tables of details.

List of Réseaux used at Oxford.

Oxford No.	Maker.	Limiting Dates.	Plates.	Value of one Interval.
				mm.
I.	Vogel	To 1892 Jan.	1–68	5·00
II.	Gautier (No. 22)	1892 Jan. — 1895 Mar.	69–707	5·00
III.	Gautier (No. 64)	1895 Mar. — 1897 Nov.	708–1158	5·00
IV.	Gautier	1897 Dec. — 1898 Apr.	1159–1191	5·04
V.	Gantier	——	none	5·04
VI.	Gautier	1898 July — 1906 June 19	1198–2477	5·04

Plate 69 was the first plate taken for the Astrographic Catalogue, so that No I. was not really used. No. IV. was found to have the line $x = 17$ misplaced by 0·025, and its use was discontinued. On receipt of No. V., its spaces were tested by copies on plates without stars, and line $y = 3$ was found to be misplaced; hence No. V. was not used at all.

The *réseau* was imprinted on the plates after exposure to stars (and before development) by exposure to a gas jet or electric light at a distance of 15 feet, the *réseau* and plate being separated by an edging of paper 0^{mm}·1 thick. The light was thus not quite parallel, the rays to opposite edges of the plate being inclined at an angle of 2°; but the immediate effect could only be a very slight alteration of apparent scale value of the plate, and the second order quantities would be quite insensible.

The following table gives the details of the plates in the present volume.

The *first* column is the number of the plate in the Oxford series.

The *second* column gives the date of exposure to ·001 of a year. The day will be found in the section of measures, in the heading. The sidereal time can be inferred from the fourth column.

The *third* column gives the theoretical R.A. of plate centre. The inevitable deviations are given in the headings to the measures.

The *fourth* column gives the Hour Angle for the middle of the $6^{min.}$ exposure, which alone was measured. Clock errors have been applied to give Oxford sidereal time to $1^{sec.}$; but it was considered sufficient to give the result to the nearest minute.

The *fifth* column gives the durations of exposure. The image of the longest exposure alone was measured, the others serving merely for identification of stellar objects.

The *sixth* column indicates the observer who made the exposures at the telescope; see list on pp. xi and xii.

The *seventh* column indicates not only the class of plate, but the particular batch of plates from which it came, by means of the maker's number. The developer for this particular zone was eikonogen (E.) throughout; but in other zones there was more variety.

The *eighth* column shows the *réseau* used; see list on p. xix.

The *ninth* column shows which micrometer of five (α, β, γ, δ, μ) was used in measuring the plate, and which scale was used in the eye-piece.

The *tenth* column gives the initials of the measurer of the plate; see list on pp. xi and xii.

The *eleventh* column gives the total number of stars measured. Occasionally (in the Milky Way) the number on the plate showing images with $6^{min.}$ and $3^{min.}$ exposure

was so great, that only a limited number of stars were measured, viz. those showing images with $1^{min.}$ (which was substituted for the $20^{sec.}$ exposure for this purpose). Such cases are marked with a †; and the whole number of stars *counted* on each plate showing $6^{min.}$ and $3^{min.}$ exposures is given immediately below. In statistical questions the lower numbers are therefore to be used.

The *twelfth* column gives the ratio of the number measured to the number of stars shown in the corresponding area on Argelander's Chart, obtained by cutting out a mask of suitable size, placing it central over a given spot, and counting the star images shown—approximate accuracy only being aimed at. Except in a few cases, this ratio exceeds 3·0.

The *thirteenth* column gives the number of stars in the corresponding region of the catalogues of the *Astronomische Gesellschaft* for 1875·0.

The *fourteenth* column shows the interval between the taking of the plate and its measurement, and may be of interest in discussing the fading of star images with time, though, for plates in the present volume, the interval was usually short.

List of Plates in the present Volume, Centres in + 31° Dec.

No. of Plate.	Year and Fraction.	R.A. of Centre.	Hour Angle.	Exposures.	Observer.	Plate and Developer (E. = Eikonogen).	Réseau.	Instrument and Scale.	Measurer.	No. of Stars.	Ratio to B.D.	No. in A.G.C.	Interval between Exposure and Measurement.
		h m	h m	m m s									Months.
2035	1902·802	0 4	1 26 E.	6 , 3 , 20	FB	Rocket 4384 ; E.	vi.	γ viii.	S	263	4·2	24	2
2036	1902·802	0 13	1 15 E.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	EG	195	2·8	25	2
2055	1902·906	0 22	0 33 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	190	3·1	31	1
2037	1902·849	0 31	1 0 E.	6¼, 3 , 20	FB	,, ,,	vi.	β vii.	EG	250	3·7	22	3
2054	1902·906	0 40	0 2 E.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	EG	249	4·0	30	1
2056	1902·906	0 49	0 26 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	EG	282	4·2	30	2
2057	1902·906	0 58	0 34 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	EG	224	3·0	30	2
2043	1902·862	1 7	0 16 E.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	368	6·0	26	1
2038	1902·849	1 16	0 1 E.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	241	3·5	32	1
2039	1902·849	1 25	0 6 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	EG	278	4·4	26	1
2044	1902·862	1 34	0 24 E.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	357	5·7	28	1
2040	1902·849	1 43	0 3 W.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	291	4·3	31	2
2041	1902·849	1 52	0 12 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	255	3·8	35	1
2087	1903·099	2 1	1 17 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	359	6·0	20	1
2046	1902·862	2 10	0 22 E.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	220	3·3	29	2
2047	1902·862	2 19	0 10 E.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	312	4·8	28	2
2048	1902·862	2 28	0 5 E.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	246	4·0	22	2
2049	1902·862	2 37	0 3 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	EG	309	4·7	23	2
2050	1902·862	2 46	0 13 W.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	259	3·5	32	2
2051	1902·862	2 55	0 23 W.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	268	3·8	32	2
2088	1903·099	3 4	0 36 W.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	211	3·1	27	½
2089	1903·099	3 13	0 55 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	EG	200	3·6	26	½
2090	1903·099	3 22	1 8 W.	6½, 3½, 20	FB	,, ,,	vi.	β vii.	P	147	3·5	15	1
2311	1903·827	3 31	1 39 E.	6 , 3 , 20	FB	Rocket 5373 ; E.	vi.	β x.	EG	114	2·2	16	3
2113	1903·131	3 40	2 6 W.	6 , 3 , 20	FB	Rocket 4384 ; E.	vi.	β vii.	EG	144	2·6	21	1
2114	1903·131	3 49	2 14 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	219	3·7	21	1
2115	1903·131	3 58	2 22 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	EG	273	4·6	25	1
2052	1902·862	4 7	0 31 E.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	269	3·1	32	3
2149	1903·159	4 16	3 3 W.	6 , 3 , 20	FB	Rocket 5243 ; E.	vi.	β vii.	BG	211	4·0	27	1
2150	1903·159	4 25	3 10 W.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	203	3·3	24	1

No. of Plate.	Year and Fraction.	R.A. of Centre.	Hour Angle.	Exposures.	Observer.	Plate and Developer (E. = Eikonogen).	Réseau.	Instrument and Scale.	Measurer.	No. of Stars.	Ratio to B.D.	No. in A.G.C.	Interval between Exposure and Measurement.
		h m	h m	m m s									Months.
2151	1903·159	4 34	3 18 W.	6 , 3 , 20	FB	Rocket 5243 ; E.	vi.	β vii.	EG	135	3·9	12	1
2053	1902·862	4 43	0 37 E.	$6\frac{1}{4}$, 3 , 20	FB	Rocket 4384 ; E.	vi.	γ viii.	S	182	3·9	16	1
2152	1903·159	4 52	3 19 W.	6 , 3 , 20	FB	Rocket 5243 ; E.	vi.	β vii.	EG	244	3·1	28	1
2296	1903·769	5 1	0 24 E.	$6\frac{1}{4}$, 3 , 20	FB	Rocket 5373 ; E.	vi.	β x.	EG	582	5·0	35	1
2204	1903·225	5 10	2 34 W.	6 , 3 , 20	P	Rocket 5243 ; E.	vi.	β x.	BG	681	5·6	47	2
2297	1903·769	5 19	0 17 E.	$6\frac{1}{4}$, 3 , 20	FB	Rocket 5373 ; E.	vi.	β x.	BG	751	5·8	47	1
2091	1903·099	5 28	0 3 W.	$3\frac{1}{2}$, 2, 20	FB	Rocket 4384 ; E.	vi.	β x.	EG	653	5·5	41	6
2298	1903·769	5 37	0 15 E.	$6\frac{1}{6}$, $3\frac{1}{12}$, 20	FB	Rocket 5373 ; E.	vi.	β x.	EG	1071	8·3	48	1
2299	1903·769	5 46	0 8 E.	6 , 3 , 20	FB	,, ,,	vi.	β x.	BG	910	8·0	46	1
2312	1903·827	5 55	3 41 E.	6 , 3 , 20	FB	,, ,,	vi.	β x.	EG	629	5·4	42	1
2313	1903·827	6 4	3 30 E.	6 , 3 , 20	FB	,, ,,	vi.	β x.	BG	409	3·0	47	1
2314	1903·827	6 13	3 13 E.	6 , 3 , 20	FB	,, ,,	vi.	β x.	BG	369	3·7	38	1
2315	1903·827	6 22	3 3 E.	6 , 3 , 27	FB	,, ,,	vi.	β x.	BG	400	3·4	34	1
2153	1903·159	6 31	2 0 W.	6 , 3 , 20	FB	Rocket 5243 ; E.	vi.	β x.	EG	601	4·7	44	5
2154	1903·159	6 40	2 12 W.	6 , 3 , 20	FB	,, ,,	vi.	β x.	BG	476	4·8	45	5
2155	1903·159	6 49	2 20 W.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	454	4·1	37	5
2316	1903·827	6 58	3 10 E.	6 , 3 , 20	FB	Rocket 5373 ; E.	vi.	γ viii.	S	277	3·0	34	1
2317	1903·827	7 7	3 0 E.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	307	3·1	33	1
2202	1903·219	7 16	4 14 W.	6 , 4 , 20	HT	,, ,,	vi.	γ viii.	S	533	5·0	30	4
2318	1903·827	7 25	2 57 E.	6 , 3 , 20	FB	,, ,,	vi.	β x.	EG	335	4·2	35	1
2319	1903·827	7 34	2 41 E.	6 , 3 , 20	FB	,, ,,	vi.	β x.	BG	252	3·1	28	1
2233	1903·296	7 43	2 12 W.	6 , 3 , 20	HT	,, ,,	vi.	β x.	BG	635	6·7	20	3
2234	1903·296	7 52	2 19 W.	6 , 3 , 20	HT	,, ,,	vi.	β x.	BG	443	6·4	27	3
2320	1903·827	8 1	2 49 E.	6 , 3 , 20	FB	,, ,,	vi.	β x.	BG	195	2·1	16	3
2235	1903·296	8 10	2 21 W.	6 , 3 , 20	HT	,, ,,	vi.	γ viii.	P	223	2·7	29	3
2236	1903·296	8 19	2 29 W.	6 , 3 , 20	HT	,, ,,	vi.	β x.	BG	238	3·6	21	1
2321	1903·827	8 28	2 55 E.	6 , 3 , 20	FB	,, ,,	vi.	β x.	EG	231	3·0	20	3
2342	1904·038	8 37	0 1 W.	$6\frac{2}{3}$, 3 , 20	FB	Rocket 6131 ; E.	vi.	β x.	S	162	2·3	19	1
2323	1903·827	8 46	2 39 E.	6 , 3 , 20	FB	Rocket 5373 ; E.	vi.	γ viii.	S	173	2·8	17	1
2324	1903·827	8 55	2 31 E.	6 , $3\frac{1}{2}$, 20	FB	,, ,,	vi.	β x.	EG	145	2·7	16	3
2345	1904·038	9 4	0 46 W.	6 , 3 , 20	FB	Monarch 8014 ; E.	vi.	β x.	EG	165	2·9	24	1
2237	1903·296	9 13	1 53 W.	6 , 3 , 20	HT	Rocket 5373 ; E.	vi.	γ viii	S	180	3·0	13	3
2346	1904·038	9 22	0 50 W.	6 , 3 , 20	FB	Rocket 6131 ; E.	vi.	β x.	EG	134	2·9	26	1
2347	1904·038	9 31	1 0 W.	6 , 3 , 20	FB	Monarch 8014 ; E.	vi.	β x.	S	148	2·1	26	1
2210	1903·230	9 40	0 33 W.	6 , 3 , 25	P	Rocket 5373 ; E.	vi.	β x.	P	202	2·9	22	10
2223	1903·293	9 49	1 15 W.	6 , 3 , 20	HT	,, ,,	vi.	γ viii.	P	176	3·0	29	3
2349	1904·038	9 58	1 21 W.	6 , 3 , 20	FB	Monarch 8014 ; E.	vi.	β x.	BG	132	2·5	28	1
2274	1903·383	10 7	3 21 W.	6 , 3 , 20	P	Rocket 5373 ; E.	vi.	β x.	EG	233	4·4	27	2
2224	1903·293	10 16	1 6 W.	6 , 3 , 20	HT	,, ,,	vi.	β x.	EG	206	3·5	23	1
2225	1903·293	10 25	1 14 W.	6 , 3 , 20	HT	,, ,,	vi.	β x.	EG	243	3·9	28	1
2262	1903·375	10 34	2 21 W.	6 , 3 , 20	FB	,, ,,	vi.	β x.	EG	163	3·3	20	1
2226	1903·293	10 43	1 14 W.	6 , 3 , 20	HT	,, ,,	vi.	γ viii.	S	196	4·1	19	2
2227	1903·293	10 52	1 30 W.	6 , 3 , 20	HT	,, ,,	vi.	γ viii.	S	249	4·7	28	2
2239	1903·296	11 1	0 45 W.	6 , 3 , 20	HT	,, ,,	vi.	β x.	P	152	3·4	26	1
2263	1903·375	11 10	2 6 W.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	150	4·0	15	1
2228	1903·293	11 19	1 28 W.	6 , 3 , 20	HT	,, ,,	vi.	γ viii.	S	209	4·5	19	1
2279	1903·422	11 28	3 20 W.	6 , 3 , 20	P	,, ,,	vi.	α xi.	S	157	4·6	18	2
2280	1903·422	11 37	3 52 W.	6 ; 3 , 20	P	,, ,,	vi.	β x.	EG	186	4·0	21	1
2282	1903·424	11 46	3 23 W.	6 , 3 , 20	P	,, ,,	vi.	β x.	EG	151	4·1	13	1
2281	1903·422	11 55	3 56 W.	6 , 3 , 20	P	,, ,,	vi.	γ viii.	P	206	4·6	18	1
2241	1903·304	12 4	0 58 W.	6 , $3\frac{3}{4}$, 20	FB	,, ,,	vi.	γ viii.	S	202	3·9	18	1
2242	1903·304	12 13	1 6 W.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	184	4·5	12	2
2243	1903·304	12 22	1 15 W.	6 , 3 , 20	FB	,, ,,	vi.	β x.	EG	204	3·6	16	2
2229	1903·293	12 31	0 41 W.	7 , 3 , 20	HT	,, ,,	vi.	γ viii.	P	192	3·6	16	3
2213	1903·241	12 40	0 47 W.	6 , 3 , 20	P	,, ,,	vi.	γ viii.	S	167	3·5	18	2
2214	1903·241	12 49	1 11 W.	6 , 3 , 20	P	,, ,,	vi.	β x.	BG	150	3·5	15	4
2277	1903·419	12 58	2 11 W.	6 , 3 , 20	P	,, ,,	vi.	β x.	BG	195	4·0	21	2
2253A	1903·345	13 7	1 20 E.	6 , 3 , 20	P	,, ,,	vi.	γ viii.	S	217	5·7	19	2
2255A	1903·345	13 16	0 54 W.	6 , 3 , 20	P	,, ,,	vi.	β x.	EG	275	7·8	12	2
2271	1903·381	13 25	0 29 W.	6 , 3 , 20	FB	,, ,,	vi.	β x.	BG	208	3·6	28	1

No. of Plate.	Year and Fraction.	R.A. of Centre.	Hour Angle.	Exposures.	Observer.	Plate and Developer (E = Eikonogen).	Réseau.	Instrument and Scale.	Measurer.	No. of Stars.	Ratio to B.D.	No. in A.G.C.	Interval between Exposure and Measurement.
		h m	h m	m m s									Months.
2244	1903·304	13 34	0 22 W.	6 , 3 , 20	FB	Rocket 5373 ; E.	vi.	γ viii.	P	191	4·1	23	2
2245	1903·304	13 43	0 31 E.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	222	4·5	23	2
2278	1903·419	13 52	1 38 W.	6 , 3 , 20	P	,, ,,	vi.	β x.	EG	204	5·0	19	2
2232	1903·293	14 1	0 28 W.	6 , 3½ , 25	HT	,, ,,	vi.	γ viii.	S	176	4·3	17	1
2276	1903·383	14 10	0 11 W.	6 , 3 , 20	P	,, ,,	vi.	β x.	P	235	5·1	20	1
2256	1903·345	14 19	1 17 W.	6 , 3 , 20	P	,, ,	vi.	β x.	EG	276	6·1	23	2
2257	1903·345	14 28	1 36 W.	6 , 3 , 20	P	,, ,,	vi.	β x.	BG	279	6·8	18	2
2258	1903·345	14 37	1 52 W.	6 , 3 , 20	P	,, ,,	vi.	β x.	BG	283	5·0	25	2
2259	1903·345	14 46	2 11 W.	6 , 3 , 20	P	,, ,,	vi.	β x.	BG	261	6·0	19	1
2260	1903·345	14 55	2 30 W.	6 , 3 , 20	P	,, ,,	vi.	β x.	EG	216	4·4	19	1
2246	1903·304	15 4	0 28 E.	6 , $3\frac{5}{12}$, 20	FB	,, ,,	vi.	γ viii.	S	221	4·3	22	2
2247	1903·304	15 13	0 12 E.	6 , 3 , 20	FB	,, ,,	vi.	β x.	BG	293	5·6	35	2
2248	1903·304	15 22	0 3 E.	$6\frac{7}{12}$, 3 , 20	FB	,, ,,	vi.	β x.	EG	301	6·4	19	2
2249	1903·304	15 31	0 6 W.	$6\frac{1}{6}$, 3 , 20	FB	,, ,,	vi.	β x.	EG	290	6·1	25	2
2250	1903·304	15 40	0 14 W.	$6\frac{1}{6}$, 3 , 20	FB	,, ,,	vi.	β x.	BG	304	5·6	28	2
2251	1903·304	15 49	0 24 W.	6 , 3 , 20	FB	,, ,,	vi.	β x.	BG	278	6·2	19	2
2252	1903·304	15 58	0 35 W.	6 , $3\frac{1}{12}$, 20	FB	,, ,,	vi.	β x.	EG	289	5·5	26	2
1973	1902·482	16 7	0 53 W.	6 , 3 , 20	P	Rocket 3982 ; E.	vi.	α vi.	EG	355	5·7	27	1
1990	1902·523	16 16	0 44 E.	6 , 3 , 20	FB	Rocket 4384 ; E.	vi.	β vii.	BG	349	6·5	19	1
1991	1902·523	16 25	1 23 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	281	4·5	21	1
1992	1902·523	16 34	1 30 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	263	3·8	30	1
1993	1902·523	16 43	1 47 W.	6 , 3 , 20	FB	,, ,,	vi.	α vi.	EG	316	4·5	25	2
1994	1902·523	16 52	1 57 W.	6 , 3 , 20	FB	,, ,,	vi.	α vi.	EG	351	5·6	28	1
1995	1902·523	17 1	2 7 W.	6 , 3 , 20	FB	,, ,,	vi.	α vi.	EG	359	6·6	27	2
1978	1902·485	17 10	0 44 W.	6 , 3 , 20	FB	Rocket 3982 ; E.	vi.	γ viii.	S	377	6·4	20	2
1979	1902·485	17 19	0 52 W.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	485	5·7	36	2
1996	1902·523	17 28	1 56 W.	6 , 3 , 20	FB	Rocket 4384 ; E.	vi.	β vii.	BG	356	4·6	31	2
1997	1902·523	17 37	2 6 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	404	6·2	35	1
1980	1902·485	17 46	0 43 W.	6 , 3 , 20	FB	Rocket 3982 ; E.	vi.	γ viii.	S	516	6·6	32	3
1998	1902·523	17 55	2 5 W.	6 , 3 , 20	FB	Rocket 4384 ; E.	vi.	β vii.	BG	443	5·9	29	2
1598	1900·704	18 4	1 1 W.	6 , 3 , 1m	FB	Rocket 3024 ; E.	vi.	γ viii.	TM	621	6·0	35	4
1599	1900·704	18 13	1 12 W.	6 , 3 , 1m	FB	,, ,,	vi.	γ viii.	TM	578	6·0	36	11
1600	1900·704	18 22	1 21 W.	$6\frac{1}{3}$, 3 , 1m	FB	,, ,,	vi.	γ viii.	TM	539	7·3	36	11
2018	1902·685	18 31	0 37 W.	6 , $3\frac{3}{4}$, 20	FB	Rocket 4384 ; E.	vi.	α vi.	EG	733	6·8	41	1
1602	1900·709	18 40	0 54 W.	6 , 3 , 1m	FB	Rocket 3024 ; E.	vi.	γ viii.	TM	495† 944	4·7 8·9	42	11
1603	1900·709	18 49	1 6 W.	6 , 3 , 1m	FB	,, ,,	vi.	β vii.	BG	535† 1183	4·0 9·0	59	12
1604	1900·709	18 58	1 14 W.	6 , 3 , 1m	FB	,, ,,	vi.	γ viii.	TM	584† 1178	4·5 9·1	50	12
1605	1900·709	19 7	1 22 W.	6 , 3 , 1m	FB	,, ,,	vi.	α vi.	SC	584† 1235	4·2 8·8	47	1
1999	1902·523	19 16	1 9 W.	6 , 3 , 20	FB	Rocket 4384 ; E.	vi.	α vi.	EG	1341	8·7	62	3
2000	1902·523	19 25	1 20 W.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	1921	10·1	63	3
1606	1900·709	19 34	1 10 W.	6 , 3 , 1m	FB	Rocket 3024 ; E.	vi.	γ viii.	TM	942† 2180	5·1 11·8	85	15
2008	1902·556	19 43	0 17 W.	6 , 3 , 20	FB	Rocket 4384 ; E.	vi.	γ viii.	S	2208	11·4	72	4
2001	1902·523	19 52	1 11 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	2119	12·2	68	3
2016	1902·671	20 1	0 12 E.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	1336	7·6	86	2
1835	1901·572	20 10	0 31 W.	6 , 3 , 20	FB	Rocket 3502 ; E.	vi.	α vi.	EG	1226	8·1	78	6
1834	1901·572	20 19	0 3 W.	$7\frac{1}{4}$, 3 , 20	FB	,, ,,	vi.	β vii.	BG	1324	8·3	69	6
1836	1901·572	20 28	0 34 W.	6 , 3 , 20	FB	,, ,,	vi.	α vi.	EG	1308	8·4	51	8
2012	1902·652	20 37	1 23 E.	6 , 3 , 20	FB	Rocket 4384 ; E.	vi.	α vi.	EG	685	4·7	65	2
2015	1902·671	20 46	1 24 E.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	1015	6·2	50	3
2017	1902·671	20 55	0 45 E.	6 , 3 , 20	FB	,, ,,	vi.	α vi.	EG	719	4·5	49	3
2019	1902·685	21 4	1 31 E.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	663	5·1	58	3
2013	1902·652	21 13	1 35 E.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	453	3·5	41	1
2014	1902·652	21 22	1 27 E.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	720	5·7	57	2
2020	1902·685	21 31	1 39 E.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	654	6·7	46	2
2022	1902·685	21 40	0 53 E.	6 , 3 , 20	FB	,, ,,	vi.	α vi.	EG	652	7·7	49	2

No. of Plate.	Year and Fraction.	R.A. of Centre.	Hour Angle.	Exposures.	Observer.	Plate and Developer (E. = Eikonogen).	Réseau.	Instrument and Scale.	Measurer.	No. of Stars.	Ratio to B.D.	No. in A.G.C.	Interval between Exposure and Measurement.
		h m	h m	m m s									Months.
2023	1902·685	21 49	0 41 E.	6 , 3 , 20	FB	Rocket 4384 ; E.	vi.	β vii.	BG	612	6·0	43	2
2021	1902·685	21 58	1 40 E.	6 , 3 , 23	FB	,, ,,	vi.	γ viii.	S	613	6·2	44	2
2024	1902·685	22 7	0 40 E.	6 , $2\frac{1}{4}$, 20	FB	,, ,,	vi.	α vi.	EG	539	4·7	41	2
1846	1901·794	22 16	0 37 W.	6 , 3 , 20	FB	Rocket 3502 ; E.	vi.	α vi.	EG	611	7·2	32	4
1847	1901·794	22 25	0 41 W.	6 , 3 , 20	FB	,, ,,	vi.	α vi.	EG	689	7·4	49	4
2034	1902·789	22 34	0 19 W.	6 , 3 , 20	FB	Rocket 4384 ; E.	vi.	α vi.	EG	576	5·7	47	1
2026	1902·685	22 43	0 34 E.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	EG	452	4·3	40	3
1848	1901·794	22 52	0 31 W.	6 , 3 , 20	FB	Rocket 3502 ; E.	vi.	α vi.	EG	547	7·1	25	4
1849	1901·794	23 1	0 38 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	BG	545	6·1	38	4
2027	1902·685	23 10	0 43 E.	6 , 3 , 20	FB	Rocket 4384 ; E.	vi.	α vi.	EG	358	4·8	28	1
2028	1902·685	23 19	0 34 E.	$6\frac{1}{2}$, 3 , 20	FB	,, ,,	vi.	γ viii.	P	267	3·5	24	2
2029	1902·685	23 28	0 23 E.	$6\frac{1}{2}$, $3\frac{5}{12}$, 20	FB	,, ,,	vi.	α vi.	FB	290	3·9	30	1
2030	1902·685	23 37	0 13 E.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	P	250	3·6	28	1
2031	1902·685	23 46	0 7 E.	6 , 3 , 20	FB	,, ,,	vi.	γ viii.	S	254	3·0	38	1
2032	1902·685	23 55	0 1 W.	6 , 3 , 20	FB	,, ,,	vi.	β vii.	L	283	3·8	30	1

The total number of images measured is 65750, which would have been increased to 69330 if all the stars had been measured in cases marked †.

IV.—MEASUREMENT OF THE PHOTOGRAPHS.

(i.) *Description of the Micrometer.*

The general method of measurement is the same as at Greenwich, except that it was not found possible to obtain a "duplex" micrometer, and hence each plate was measured quite independently, and not in conjunction with overlapping plates.

The plates are placed in a frame movable in the direction of the y co-ordinate, and a microscope carried on a horizontal slide moves in the x co-ordinate.

For the measurement of the photographs, a glass diaphragm with two scales at right angles, divided so that one division corresponds to 0·01 of a *réseau* interval, or 3″, is placed in the focal plane of the viewing microscope. The star's image is placed accurately at the intersection of the two scales, and the position of the *réseau* lines relatively to it is read off on the scales by estimation to 0·1 of a division, or 0·001 of a *réseau* interval, or 0″·3 in the sky. Reference may be made to Plate II. in Vol. I. of the Greenwich measures for the general appearance of the scale in the field of view. Readings are made where the scales cut the four *réseau* lines enclosing the star, and for perfect adjustment the two pairs of readings should be identical. Owing to errors of adjustment and to curvature of the plates, the pairs differ by small quantities which may amount to 0·003 (or 0″·9), but should never exceed this. The mean is taken mentally, giving preference to the reading at the *réseau* line nearer the star, and the result is written down to three decimal places. (See *Mon. Not. R.A.S.*, lv. p. 105.) This is a much more compendious process than that adopted elsewhere. For instance, at Greenwich, two images of each star are measured, and the mean of the four readings is taken to *four* decimal places. The accuracy obtained is undoubtedly

greater; but the advance takes us into a region where there are very numerous sources of systematic error of about the same order of magnitude, and the gain did not seem to be worth the considerable increase of labour involved (see p. xxxiv). In other words, to go to four figures instead of three would probably have delayed the completion of the work, with the limited staff at Oxford, for several years, and perhaps imperilled its completion altogether. Throughout the whole work it has been necessary to study economy of time and expense with great care.

(ii.) *The Arrangement of the Measures.*

The arrangement of the plates for the Astrographic Catalogue is such that the sky is divided into zones in declination 2° wide. The order in which the measures on each plate are printed is the same as that in which they were originally made.

Generally speaking, the centres of the plates in any zone are near the corners of the plates in the zones above and below. [But in zones with plate centres +27° and +28°, where the number of plates per zone is diminished from 180 to 160, this arrangement is necessarily modified.] The zone north of that contained in the present volume is being dealt with at the Potsdam Observatory.

In order to make sure of taking the whole of the sky, the plates overlap one another to the extent of 5$^{mm.}$ or more each way within the boundary of the *réseau*, so that, while every star appears on at least two plates, some may occur on three, four, or five plates. But there is a rough compensation in this arrangement, for if a star occurs on five plates it is only really well defined on one, where its image is nearly central; on the other four its image will be near the corner in every case, and therefore elongated.

The plates are all measured in two positions, the plate being turned through 180° for the second set of measures.* All the measures on a plate are made by the same person (except in a few cases at the beginning of the work), but the second measures are represented by figures entirely different from those of the first. Denoting the first measures by x, y, the second measures give $26{\cdot}000 - x$, and $26{\cdot}000 - y$. Moreover, the star images present themselves in the reverse order, so that there is tolerably complete independence between the two sets. When the second set (denoted by R) is complete, *another* person subtracts the R measures from 26·000 and enters them alongside the corresponding D measures. He also forms the differences R – D for x and y, and, if these exceed ±·005, places a cross against the star. All such cases, as well as cases where a star has been measured D, but missed in R (or *vice versâ*), are then remeasured on the plate, usually by the original measurer. The differences R – D for cases which do not call for remeasurement are collected for each plate under the headings –·005, –·004, –·003, . . . ·000, +·001, . . . +·005, and give an indication of the personal error of bisection, and of the distribution of errors.

When there is a strongly marked personality, the limits between which differences are accepted have often been modified. Thus, if the mean difference R – D is –·002, the limits –·007 to +·003 replace –·005 to +·005. This was not done in the earlier

* This practice, now generally adopted, was initiated at Oxford.

years; but the general result of the omission was to impose a closer scrutiny; for differences of − ·007 and − ·006 would be marked for remeasure in the case quoted, instead of being passed; while differences of + ·004 and + ·005 would be very rare, and the few cases that did occur have since been examined.

. . . .

Until the end of May 1901 it was the practice for each measurer to enter his own measures, and no great inconvenience was found in doing so; while there was an obvious advantage in being able to work singly. But after May 1901 the measures were usually entered by another person, as this arrangement was found to be more economical. But the personality is likely to change with the method; see p. xxix.

The following specimen of the work will serve to illustrate the points above mentioned:—

Plate 2035. R.A. $0^h\ 4^m$. + 31°. Instrument γ Scale viii.
Measured by S., 1902 Dec. 8; line 0–13; $\frac{3}{4}^h$; 117 stars.
1902 Dec. 8; line 13–26; 1^h; 133 stars.
Entered by L and BG.

Diameter.		*x*			*y*				R measures.	
D	R	D	R	R–D	D	R	R–D		*x*	*y*
25*e*	30*e*	1·956	950	− 6	0·613	609	− 4	A	24·050	25·391
17	20	5·526	525	− 1	·991	990	− 1		20·475	·010
14	15	11·733	733	0	·422	420	− 2		14·267	·580
20	18	15·651	649	− 2	·290	290	0		10·351	·710
14	13	21·706	702	− 4	·631	630	− 1		4·298	·370
18	18	22·915	916	+ 1	0·657	654	− 3		3·084	25·346
15*d*	16	4·540	536	− 4	1·083	079	− 4		21·464	24·921
15	15	5·430	428	− 2	·702	699	− 3		20·572	·301
14	12	7·440	439	− 1	·624	621	− 3		18·561	·379
20	17	10·736	735	− 1	·274	270	− 4		15·265	·730
14	15	10·802	831		·531	531	0	B	15·169	·469
14	14	11·143	143	0	·150	148	− 2		14·857	·852
15	14	13·315	314	− 1	·862	862	0		12·686	·138
14	14	14·656	657	+ 1	·701	699	− 2		11·343	·301

The R measures of *x* and *y* are given, in reverse order, in the last two columns: in practice they would be on separate sheets. Subtracting them from 26·000, we get the numbers entered under R alongside the D measures of *x* and *y*, the diameter of the image requiring no such modification and being simply copied. There are only two cases in the list calling for examination. In that marked A, there is a difference of − ·006 in *x*. As a matter of fact, this might be passed, since the personality of the measurer was negative, the collected differences being distributed as follows:—

Diff.	+5	+4	+3	+2	+1	0	−1	−2	−3	−4	−5
x	0	0	2	2	12	52	66	52	27	9	7
y	1	2	4	10	36	47	53	47	19	14	0

The mean for x is $-\cdot 0013$, and for y is $-\cdot 0008$; so that $-\cdot 006$ in x might be passed, especially as the image is at the corner of the plate and much elongated. (On the other hand, the difference $+5$ in y shown in the collected results for the plate clearly calls for examination.)

In case B there is some error, and a remeasure was made; but it turned out to be merely a case of a badly written figure 3, which looked like zero.

There is no case of an omitted star in the list (which is simply that of the first few stars in the present volume); but the method of dealing with such cases is tolerably obvious.

For printing, the mean of D and R has been taken, to three figures only. To minimise corrections of the proof, no correction has been made when the terminal figure has by accident not been "raised."

V.—DETERMINATION OF PHOTOGRAPHIC MAGNITUDES.

With the rectangular co-ordinates of each star is given the diameter (d) of the image obtained with the 6^m exposure, the mean of the two determinations D and R being taken. The unit is 0·001 of a *réseau* interval, or $0''\cdot 3$. Thus 12 denotes $3''\cdot 6$, and 61 denotes $18''\cdot 3$.

No difficulty presents itself in the measures of fairly bright stars near the centre of the plate. At distances of 40′ or more from the centre, the images are sensibly elongated in the radial direction, and the mean of the major and minor axes is taken. A further difficulty presents itself with the images of faint stars which are not black. An estimation is made by the measurers in such cases, but there are undoubtedly systematic differences between different measurers which could not be eliminated. Mr Moore, for instance, did all his measuring at Doncaster, and there was no easy means of securing similarity in habit between him and measurers at the Observatory. Hence for the faint stars each observer should have a different formula.

The general formula adopted provisionally is

$$\text{mag.} = a - b\sqrt{d},$$

and a discussion of the reasons for adopting it will be found in *Mon. Not. R.A.S.*, vol. lxv. pp. 755–775. The value of b for the measures in the present volume is taken as 1·36, while the constant a is determined for each plate from comparison of the magnitudes of the stars given in the Meridian Catalogues (marked with an asterisk after the Oxford No. on pp. 1–189) with the measured diameters. Differentiating the formula, we get—

$$\Delta m = -\tfrac{1}{2}bd^{-\frac{1}{2}}\,.\,\Delta d.$$

When $d=9$ the factor $\frac{1}{2}bd^{-\frac{1}{2}}$ is $1\cdot 36/6 = \cdot 23$, and when $d=49$ the factor is $1\cdot 36/14 = \cdot 10$, the corresponding magnitudes being about 12·0 and 6·6 respectively. Hence an error of two units in the diameter (an error easily made) corresponds to an

error of 0·2 magnitude for a 6·6 magnitude star, but nearly half a magnitude for a faint star. The photometry of the present Catalogue is thus very rough compared with the measures of position; but measures of position have hitherto always been far in advance of photometric measures.

VI.—MEASURES OF POSITION.

Personality of Measurers.

As already mentioned, the personality of the measurer is determined for each plate. A preliminary discussion of the results is given in *Mon. Not. R.A.S.*, vol. lvii. pp. 621–629, and it is shown that—

(*a*) The personality or error of bisection for a given measurer and instrument rarely exceeds 0″·15 (or half the estimated unit).

(*b*) The measurer and his instrument must be taken together; a change in either means a new personality. For instance, a new scale in the eye-piece must be regarded as a change of instrument.

(*c*) The personality remains generally constant for months together.

(*d*) The variation of personality with stellar magnitude is very small, and what there is can be detected and eliminated by reversing the plate.*

It follows from (*d*) that the influence of personality on such results as are contained in the present volume is negligible; for, however large the personality (and even if the plate is only measured in one position, or is measured by another measurer in the reversed position), it is a constant to be applied to the measures of all stars: and since the zero is arbitrary (or is absorbed in the constant C or F) the influence is negligible.

Nevertheless, it may be of interest to tabulate the personalities found for different measurers, as below. For any individual plate, the measurer and instrument can be found from columns 10 and 9 in the table of details given on p. xxii., and the date of measurement can also be inferred from columns 2 and 14 of the table; so that a suitable value for the personality can be deduced if for any purpose it is desired.

The 160 plates in the present volume were measured by the following persons:—

Measurer	FB	P	BG	EG	TM	SC	L	S
No. of plates	1	11	47	55	6	1	1	38

The measures were all made subsequent to June 1900.

* When the accuracy of measurement is carried to its extreme limits this conclusion may not still hold. See, for instance, Mr Plummer's paper in *Mon. Not. R.A.S.*, vol. lxi. p. 628.

Determinations of Personality relevant to Measures in Zone +31°

The mean excess of the R measure (reversed) over the D measure is tabulated in units of 0″·03. The "error of bisection" is thus one-half the quantity tabulated.

Measurer.	Instrument.	Scale.	Limiting Dates.	No. of Plates.	R−D	
					x	*y*
FB	α	vi.	1902 Oct.	1	+ 2	+ 6
P	γ	viii.	1901 Nov. — 1903 July	8	− 8	− 3
P	β	vii.	1902 Mar. — 1903 Apr. 19	7	− 3	− 5
P	β	x.	1903 Apr. 20—1903 July	3	− 1	0
BG	α	vi.	1901 June — 1901 July	5	− 18	+ 13
BG	β	vii.	1899 Jan. — 1899 June	3	+ 11	+ 5
BG	β	vii.	1901 Mar. — 1901 May	4	− 1	− 12
BG	β	vii.	1901 June — 1901 Aug.	9	− 6	− 9
BG	β	vii.	1901 Sept. — 1901 Dec.	23	− 7	+ 6
BG	β	vii.	1902 Jan. — 1902 Dec.	43	0	+ 2
BG	β	vii.	1903 Jan. — 1903 Apr. 19	21	+ 2	− 1
BG	β	x.	1903 Apr. 20—1903 Dec.	23	− 1	+ 14
BG	β	x.	1904 Feb. — 1904 Oct.	7	− 5	+ 12
EG	α	vi.	1901 Mar. — 1901 May	9	− 6	+ 2
EG	α	vi.	1901 June — 1901 Aug.	15	− 6	+ 5
EG	α	vi.	1901 Sept.	8	− 6	+ 19
EG	α	vi.	1901 Oct. — 1902 Feb.	21	− 6	+ 2
EG	α	vi.	1902 Mar. — 1902 May	10	− 18	+ 12
EG	α	vi.	1902 June — 1902 Dec.	22	− 10	0
EG	β	vii.	1901 Mar.	2	+ 2	− 10
EG	β	vii.	1902 Dec. — 1903 Apr. 19	25	− 13	− 15
EG	β	x.	1903 Apr. 20—1904 Dec.	33	− 7	− 8
EG	γ	viii.	1901 Sept.	1	− 13	− 6
EG	γ	viii.	1902 May	2	− 20	− 10
TM	γ	viii.	1900 Dec. — 1901 Aug.	14	+ 2	− 1
SC	α	vi.	1900 Sept. 29 — Oct. 27	1	+ 5	+ 11
L	β	vii.	1902 Sept. 15 — Oct. 11	1	+ 13	− 9
S	γ	viii.	1902 Feb. — 1902 June	9	+ 17	+ 10
S	γ	viii.	1902 July — 1902 Nov.	11	+ 2	− 5
S	γ	viii.	1902 Dec. — 1903 June	43	− 14	− 7
S	γ	viii.	1903 July — 1904 Apr.	7	− 17	− 14
S	β	x.	1903 Nov. — 1905 Apr.	9	− 13	− 6
S	α	xi.	1903 July — 1904 Dec.	2	− 12	− 12

The series have been broken—

(1) When there is any change of instrument, as, for instance, the change of eye-piece scale from vii. to x. in instrument β on 1903 April 20. It will be seen that this affected the personalities of BG and EG.

(2) When there was evidence of change in personality from some unexplained cause. The most striking cases occur in EG's measures, which show several well-marked changes. For instance, he suddenly developed a large personality in *y* at the

beginning of September 1901. Steps were immediately taken to ascertain whether there was an assignable cause, but without result. One of the experiments tried may be mentioned. In ordinary life EG wears rather strong spectacles, and he was accustomed to measure without removing them. He remeasured a portion of a plate without glasses, and his personality was found to be sensibly unchanged.

But in another instance a definite cause was discovered for a change of personality. Early in 1903 attention was drawn to a marked change in S, and it was noticed that it had occurred when his measures began to be entered for him by another person instead of by himself. Accordingly a number of stars were measured by him in the two ways, and the suggestion was found to be confirmed. Doubtless the reason lies in the fact that, when the eye is withdrawn continually from the microscope to make the entries on paper, there are slight changes of focus, which do not occur when the measurer keeps his eye steadily at the microscope. The differences R − D for S, when entering for himself, were—

$$\text{in } x,\ -{\cdot}0011 = -0''{\cdot}33\ ; \quad \text{in } y,\ -{\cdot}00004 = -0''{\cdot}01.$$

When someone else entered for him (and experiment showed that different people might do this without affecting the result), the corresponding values were—

$$\text{in } x,\ -{\cdot}0022 = -0''{\cdot}66\ ; \quad \text{in } y,\ -{\cdot}0004 = -0''{\cdot}12.$$

The differences are therefore greater under what one would have expected to be the more comfortable conditions: which is rather curious. The measures of BG and EG have accordingly been separated by the date 1901 May 31, when the method of having an enterer was practically adopted; but there does not seem to be any definite indication that the change affected them.

Probable Error of the Measures.

A discussion of the probable error was made in 1897, and published in *Mon. Not. R.A.S.*, lvii. pp. 621–9. It is shown (see p. 622) that the probable error of one bisection is $\pm 0''{\cdot}24$; and the probable error of the mean of two measures is $\pm 0''{\cdot}17$, which satisfies the condition imposed by the Comité Permanent in May 1896, viz. that the probable error of a measure, (as determined from errors of bisection simply) must be less than $\pm 0''{\cdot}20$.

These values were sensibly reduced as the work proceeded; for not only were there fewer actual mistakes made as the measurers became experienced, but the probable error was sensibly diminished. We may take, for instance, ten plates in the present volume measured in 1902 by BG. They contain in all 7467 stars, and in 425 cases there was some actual error in x (including cases of stars missed either R or D), in 436 cases some error in y. The differences R − D for the remaining 7042 stars in x were as follows:—

Plate Centre in +31° R.A.	Values of R—D in x. Measurer BG.											Total.	Errors.
	+ 5	+ 4	+ 3	+ 2	+ 1	0	− 1	− 2	− 3	− 4	− 5		
h m 16 16	—	—	1	13	41	123	91	37	13	3	1	323	24
16 25	—	4	7	13	52	93	57	24	2	1	—	253	26
16 34	1	3	8	20	42	76	71	21	5	2	—	249	18
17 28	1	—	9	28	65	131	78	13	2	3	—	330	18
17 37	—	1	9	26	66	150	90	27	14	2	—	385	22
17 55	2	2	14	46	82	156	68	19	8	6	—	403	50
19 52	3	15	72	119	338	689	484	157	74	26	2	1979	41
20 1	1	13	49	94	258	417	276	117	39	16	—	1280	48
20 19	—	8	27	78	134	310	318	195	88	41	9	1208	124
21 4	—	—	6	21	85	186	177	110	37	10	—	632	54
Totals	8	46	202	458	1163	2331	1710	720	282	110	12	7042	425
Theory	1	14	145	651	1616	2182	1616	651	145	14	1	7036	

If now we multiply 8+12 by 5, 46+110 by 4, 202+282 by 3, and so on, add the results, and divide by 7042, we get a close approximation to the average difference of two bisections, since the systematic error is small. The result is 7406/7042 = ±·00105 = ±0″·32. The probable error of one measure is thus ±0″·19, and the probable error of a double measure ±0″·14. But the ordinates of the probability curve calculated with this probable error and given in the line marked "Theory" do not altogether fit the numbers obtained. There is an excess of errors near 0 and 5.

The corresponding table for y is :—

Plate Centre in +31° R.A.	Values of R—D in y. Measurer BG.											Total.	Errors.
	+ 5	+ 4	+ 3	+ 2	+ 1	0	− 1	− 2	− 3	− 4	− 5		
h m 16 16	—	2	11	41	88	119	45	15	3	—	—	324	23
16 25	—	2	4	22	74	90	45	13	3	1	—	254	25
16 34	—	3	8	33	74	78	40	12	3	1	—	252	15
17 28	—	5	11	31	75	134	51	24	4	—	—	335	13
17 37	—	6	15	44	98	141	67	11	2	1	—	385	22
17 55	1	—	14	34	75	141	79	38	16	3	1	402	51
19 52	5	15	81	205	418	664	371	152	31	19	1	1962	58
20 1	—	2	21	79	242	449	305	134	40	8	1	1281	47
20 19	7	22	82	144	304	386	189	61	5	1	1	1202	130
21 4	2	5	14	42	146	215	137	50	17	6	—	634	52
Totals	15	62	261	675	1594	2417	1329	510	124	40	4	7031	436
Theory	1	14	145	651	1616	2182	1616	651	145	14	1	7036	

The mean error is ±6951/7031 = ±·0010 = ±0″·30, and the accordance with "Theory" is a little better.

The probable error thus determined is of course only a part of the probable error of a star place as found from the measures. We might find a whole series of probable

errors of a co-ordinate, progressively increasing in magnitude according to the sources of error included. We might compare—

(*a*) Measures of the same star image by the same measurer under as nearly as possible identical conditions.

(*b*) Measures of the same image with varying conditions—another measurer, another position of the plate, etc.

(*c*) Measures of another image on the same plate.

(*d*) Measures on different plates, with the same centre, and reduced with the same reference stars.

(*e*) Measures on plates taken at different epochs, with sensibly different centres, the plate constants being found from different reference stars.

The probable error just found would fall under head (*b*); but it is clear that, for using the places of the stars in practice, we are much more interested in (*e*). No extended investigation under head (*e*) has, however, yet been undertaken, though it is hoped that in Vol. VIII. some contribution may be made. Meanwhile some idea of the maximum probable error of this kind is readily obtained from the residuals for the star places used in determining the plate constants. When the plate constants have been determined, they are applied to the measures of these stars individually, and the corrected measures are compared with the standard co-ordinates formed from the Cambridge places brought up to 1900·0. The differences are formed and entered in ledgers. Every star occurs on at least two plates and some on three, four, or five; and by comparison of the residuals for different plates we can get a fair idea of the value of the places deduced from the photographic measures. The following extract from the ledger will make the details clear:—

Camb. 12058. Mag. 9·1. R.A. (1900·0) $20^h\ 59^m\ 14^s{\cdot}26$. Dec. + 25° 8′ 53″·7.
Mean Epoch of 5 Cambridge observations, 1883·0.

Corrections.		Plate Number.	Plate Centre.		Date of Plate.
x	y		R.A.	Dec.	
			h m		
+ ·002	+ ·006	464	21 0	+ 25°	1893·695
+ ·002	+ ·010	572	20 56	+ 26	1894·912
+ ·003	+ ·010	454	21 4	+ 26	1893·630
+ ·005	+ ·011	1123	20 56	+ 26	1897·720

The first plate from Zone + 25° taken in 1893 has the star nearly central, and indicates corrections +002 and +006 (+0″·6 and +1″·8) to the standard co-ordinates; but these were deduced from the Cambridge place observed in 1883, so that part of these corrections are due to proper motion in ten years. The next two plates have their centres at +26° declination, and the star is near the right-hand bottom corner of the first, near the left-hand bottom corner of the second. The determinations of

plate constants for these three plates are largely independent of each other. The fourth plate is a repetition of the second region, four years later, as the former did not show enough stars for the severer standard adopted as the work progressed, and is thus affected by a few more years' proper motion.

The mean corrections in x and y are $+\cdot003$ and $+\cdot009$. Subtracting these from the individual results, we get

in x, $-\cdot001$, $-\cdot001$, $\cdot000$, $+\cdot002$.
in y, $-\cdot003$, $+\cdot001$, $+\cdot001$, $+\cdot002$.

If we assume that these represent the accidental errors of the determination of a star-place, we are taking

(*a*) Too favourable a case, because the determinations are not quite independent. Further, the mean of so small a number of determinations as four is liable to give residuals which are too small; but this is corrected by the well-known formula. Finally, the stars are bright stars, with large images, and the solution for plate constants is suited to them.

(*b*) But, on the other hand, we are including the proper motions between the dates of the plates and the mean epoch 1895·0, though we have eliminated the proper motions between 1895·0 and the epoch of the Cambridge observations. We also include accidental errors due to the fact that the items of the corrections $Ax+By+C$ and $Dx+Ey+F$ are only formed to three decimal places. Finally, a large number of the images will be near the edges or corners of plates.

Hence, on the whole, the probable error deduced from such residuals will probably not be less than the probable error of a star-place.

There are 27 stars between C 12001 and C 12500 which occur on four or five plates, giving 116 residuals formed as above; and these are distributed as follows, in units of ·001 or 0″·3 :—

Residual,	−5	−4	−3	−2	−1	0	+1	+2	+3	+4	+5
Number in x,	1	0	7	15	25	27	20	11	6	3	1
Number in y,	0	0	7	12	29	29	20	13	5	1	0

The mean values, without regard to sign, are—

in x, $158/116=\cdot0014=0''\cdot42$.
in y, $139/116=\cdot0012=0''\cdot36$.

Thus the probable error of a co-ordinate, as supplied by our corrected measures, including the influence of the imperfect meridian places used for reference, may be taken as—

$$\pm 0''\cdot39 \times 0\cdot85 \times \sqrt{\tfrac{4}{3}} = \pm 0''\cdot39.$$

This is intended to be a superior limit, and as such is probably not far from the truth. An independent determination by Mr Plummer near 18^h gave $\pm 0''\cdot32$; but the region considered by him is in the Milky Way, and the plate constants are therefore exceptionally well determined. Let us assume, for the present at any rate, that the

probable error of a co-ordinate is $\pm 0''\cdot 39$, while that of the bisection of a star image is $\pm 0''\cdot 13$, as above. The total probable error $\epsilon = \pm 0''\cdot 39$ is thus made up of the error of bisection $\epsilon_1 = \pm 0''\cdot 13$ and an error ϵ_2 due to other sources — distortion of the film, *réseau* errors, errors in the reference stars, etc., etc. And

$$\epsilon_2^2 = (0''\cdot 39)^2 - (0''\cdot 13)^2 = (0\cdot 37)^2.$$

The error of bisection is therefore only about one-third of the error due to other causes. An immediate inference is that we should gain little by reducing the error of bisection. Suppose, for instance, four measures had been made instead of two, then we should have reduced ϵ_1 to $\pm 0''\cdot 09$ instead of $\pm 0''\cdot 13$; but the total error of place ϵ would have been reduced only from $\pm 0''\cdot 39$ to $\pm 0''\cdot 38$, while the total labour would have been nearly doubled.

To measure the $3^{\text{min.}}$ image as well as the $6^{\text{min.}}$, according to the Greenwich practice, would no doubt give greater accuracy than merely repeating the bisections of the same image; but this involves the additional labour of taking means between quantities which are not closely similar, and additional risk of numerical errors. These considerations are put forward with some confidence in justification of the course adopted at Oxford: briefly, it is claimed that a just relationship has been maintained between the labour expended and the accuracy attained.

It will perhaps be urged that we have taken too large a value for the error of place, and that with a smaller error the above considerations would lose their force. Let us therefore take, instead of a superior limit, one which is almost certainly inferior. On p. xxxvi of the Introduction to Vol. I. of the Greenwich Astrographic Catalogue, line 1, the probable error of a star-place is found to be $\pm 0''\cdot 254$.* This is deduced from comparison of five plates of the same region, for which the plate constants are all determined from the same stars; and the discussion falls under head (*d*) of the alternatives sketched on p. xxxii. Thus it is an inferior limit to the probable error of a star-place.

But even with this value for ϵ we should find

$$\epsilon_2^2 = (0''\cdot 254)^2 - (0''\cdot 13)^2 = (0''\cdot 22)^2.$$

and to reduce the error of bisection from $0''\cdot 13$ to $0''\cdot 09$ would only reduce ϵ from $0''\cdot 254$ to

$$\sqrt{[(0''\cdot 22)^2 + (0''\cdot 09)^2]} = 0''\cdot 24.$$

Errors of Réseaux.

The errors of the *réseaux* have been treated as small accidental errors, and not applied. That they were small was shown by an elaborate investigation by Sir David Gill "On the Investigation of the Division Errors of the Scales of the Cape Repsold Measuring Apparatus, and the Determination of the Errors of the Oxford *Réseau*" (*Mem. R.A.S.*, vol. li. p. 1; received and read January 8, 1892). But the particular

* There would seem to be a slip in the next line: "the probable error of a complete measure direct and reversed is $\pm 0''\cdot 180$"; for on reversing the plate only the bisection error is diminished. The statement is, in fact, inconsistent with that made a few lines lower down the page.

réseau investigated by Sir David Gill was not used for any of the Catalogue plates, as it was already full of pinholes. In sending the above memoir to Professor Pritchard for transmission to the Royal Astronomical Society, Sir David Gill wrote on 1891 December 8 as follows :—

"I have no doubt that your experience has been like ours, viz., that with every care a *réseau* is a very perishable article; and if you have gone through all the labour we have done, I am sure you will say what a pity it is that a *réseau* which is so laborious a business to study should so soon perish. Your *réseau*, for example, had already a lot of pinholes which Plummer had pointed out; all this time disintegration of the film went on more or less, and we had the same experience with our own *réseaux*. We have made a lot of experiments, and now I think I have found the cure—a very simple one—viz., to varnish it. You can then entirely dispense with any other separation between the silvered film and the sensitive film, and you get a most perfect picture of the *réseau*. What I propose to do now is to investigate one of these varnished *réseaux* for you (in fact, we began to-day), and to send that to you along with your old but nearly useless *réseau*."

It does not appear, however, that this project was carried out; and the *réseau* investigated is apparently still at the Cape. It was one of a pair received from Potsdam in September 1890, accompanied by the following table of corrections (p. xxxvi), which was received on 1890 September 27.

One of the pair was apparently sent to the Cape for investigation as above, the other was retained at the Observatory, and is No. I. of the list on p. xix. But from the same list it will be seen that about the time Sir David Gill's paper was read, *réseau* No. I., which had also become full of defects, was superseded by No. II., a Gautier *réseau* (No. 22). No investigation of the errors of this *réseau*, or of those of Nos. III. and IV., has yet been made. But the accidental misplacing of a line in IV. and V. suggested the advisability of having the errors of No. VI. (ruled with $5^{mm}{\cdot}04$ spaces) tested by M. Gautier before delivery; and the following table of errors was accordingly supplied by him :—

Réseau No. VI. (*Gautier No. 22*).

Errors in units of 0·0001 of a *réseau* interval = 0″·03.

Line	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
x	0	9	9	10	10	8	7	9	8	7	7	8	7	8	8	6	5	5	8	5	6	6	7	5	4	8	6
y	0	0	3	3	2	2	3	0	2	5	5	4	8	7	6	8	10	11	10	10	14	12	14	16	15	15	13

There is a slight progressive error in y, which will cause an apparent difference of scale value in x and y of about ·0015 in 26·000, or ·00006. This will be absorbed in the constants for the plate. If allowance be made for it, the residual errors seldom exceed 2 units or 0″·06. In x the errors look large because of an exceptional displacement of the zero line, which undoubtedly affects stars in the first column. But the places of these are for other reasons not very accurate. Excluding this line, and allowing for errors of the form $ax + c$ which are absorbed in the constants, the

remaining errors are of the same order as in *y*. To apply corrections for them would have involved labour out of all proportion to the advantage gained, and none have been applied.

Correctionen der Gitter Nr. 13 *und* 14.

Das { positive / negative } Vorzeichen bedeutet, dass das Intervall von Strich 1 bis zu dem betreffenden Strich { kleiner / grösser } ist, als es sein soll.

Nr. 13. Reihe A.	Nr. 13. Reihe B.	Strich Nr.	Nr. 14. Reihe A.	Nr. 14. Reihe B.
mm.	mm.		mm.	mm.
0·0000	0·0000	1	0·0000	0·0000
− 2	+ 20	2	− 11	− 5
− 6	+ 9	3	− 13	− 4
− 9	+ 25	4	− 13	+ 20
− 3	+ 16	5	0	+ 6
− 17	+ 7	6	− 14	+ 43
− 7	+ 6	7	− 6	+ 13
− 6	+ 6	8	+ 2	+ 12
− 3	0	9	− 8	− 14
+ 2	− 5	10	+ 1	− 18
− 23	+ 1	11	− 1	− 18
− 10	+ 9	12	+ 4	+ 7
− 6	+ 4	13	0	+ 8
− 9	− 7	14	− 8	− 5
− 24	− 2	15	− 3	+ 7
− 30	− 2	16	− 19	+ 9
− 14	− 7	17	− 2	− 1
0	− 15	18	+ 1	− 11
− 8	− 11	19	+ 3	− 5
− 20	− 3	20	− 11	− 6
− 11	− 5	21	− 8	+ 9
− 13	+ 2	22	+ 1	+ 15
− 11	0	23	− 2	+ 12
− 10	+ 7	24	− 25	+ 24
− 12	− 20	25	+ 5	+ 28
− 10	− 11	26	− 23	+ 30
0	0	27	0	0

∠B.A. 89° 59′ 44″. ∠A.B. 90° 0′ 16″.

Errors of Division of the Glass Diaphragms of the Measuring Micrometer, and Optical Distortion of the Field.

Beyond making sure at the outset that the errors of division of the diaphragms were small enough to be neglected, little has been done to investigate them. They belong to a class of errors which may be neglected for the purposes of the general survey represented by the Astrographic Catalogue, though for such work as determinations of parallax it is no doubt necessary to take them into account. Every star occurs on at least two plates: the division errors of the *réseau* are different in the two cases, and there is accordingly a general tendency to compensation: the division errors of the

eye-piece scale are also different, and are also different in the two positions of the plate in which it is measured. Hence it was considered that they might safely be neglected.

Attention was, however, recalled to such points when the measurement of the Eros plates for parallax was undertaken. It was found that there was a sensible distortion of the field of the microscope objective, so that instead of the true reading s, the reading became

$$r = s + as + bs^2 + ds^3.$$

It is pointed out in a paper by Mr H. C. Plummer (*Mon. Not. R.A.S.*, lxiv. p. 640) that the term bs^2 is ultimately eliminated by combining measures in direct and reversed positions of the plate, and that the effect of the other terms is never greater than ·0004 = 0″·12 when the usual method of combining the readings is adopted.

It was clear, however, that for accurate work the objectives of the microscopes were capable of improvement; and accordingly Zeiss planar lenses have been since obtained. But the measures for the Astrographic Catalogue were all made with the simple achromatic objectives; and the corrections for distortion of the field indicated in the paper above quoted are applicable to them. The division errors of the Zeiss eye-piece scales were found at the same time to be very small (see p. 641, par. 2, *loc. cit*).

VII.—PLATE CONSTANTS.

The plate constants were determined by the method and formulæ given in *Mon. Not. R.A.S.*, liv. p. 11 (Nov. 1893). The geometrical formulæ there given were, however, modified in practice as approximate formulæ, more convenient for the formation of tables. See the next section, pp. xliii–lxvi.

The R.A.'s and Decs. of the reference stars were taken from the Catalogues of the *Astronomische Gesellschaft*, brought up from 1875·0 to 1900·0, with the precessions and secular variations given in those Catalogues. The great majority are contained in the Cambridge Catalogue, which extends from +25° to +30° approximately. But the plates in the present volume, with centres at +31°, and covering declinations +30° to +32° approximately, lie outside these limits. Nevertheless, owing to (a) the overlap of the plates, (b) to the deliberate observation of stars at Cambridge of declination slightly greater than +30° for overlap with Leiden, and (c) to the influence of precession for half the zone, there are a considerable number of Cambridge stars on the plates in the present volume; though the majority of the stars are in the Leiden Catalogue. In determining the provisional constants given in the headings to the plates, the Cambridge places have been used where available, in order to secure material for a comparision; but systematic errors are thus introduced, owing to the systematic differences between the Catalogues. The discussion of these, and the revision of the constants, is reserved for Vol. VIII.

The provisional constants were computed as follows: having computed from the R.A.'s and Decs. of the stars given in the meridian Catalogues, brought up to 1900·0, the standard co-ordinates, as given on pp. 193–223 of this volume, an "approximate

solution" was first formed for each plate, by consideration of a few stars only. Thus, for the first plate of the series (centre $0^h\,4^m\,+31°$), it was readily seen that if the expression

$$\Delta\xi' = \quad \cdot000\,\xi' + \cdot004\,\eta' - \cdot07$$
$$\Delta\eta' = -\cdot004\,\xi' + \cdot000\,\eta' - \cdot44$$

were applied to the calculated standard co-ordinates, we should get results closely comparable with the measures. The following notation has been adopted in the work :—

ξ, η are the standard co-ordinates referred to the *plate-centre* as origin, and related to R.A. and Dec. by the formulæ

$$\xi = k \tan(\alpha - A) \sec(\theta - D) \cos\theta$$
$$\eta = k \tan(\theta - D),$$

where

$$\tan\theta = \sec(\alpha - A) \tan\delta,$$

and

$$k = 687{\cdot}549 \text{ (reciprocal of circ. measure of } 5'),$$
$$\xi' = \xi + 13, \qquad \eta' = \eta + 13,$$

so that (ξ', η') are referred to a corner of the *réseau* and are always positive.

$$x' = \xi' + \Delta\xi', \qquad y' = \eta' + \Delta\eta',$$

where $\Delta\xi'$ and $\Delta\eta'$ represent the above approximate solution.

The actual measures are represented by x and y. The effect of the approximate solution is illustrated by the following comparisons for R.A. $0^h\,4^m$ (see p. 193 for ξ' and η') :—

Star.	ξ'	$x-\xi'$	x	x'	$x-x'$	η'	$y-\eta'$	y	y'	$y-y'$
L 10220	0·271	+ ·034	0·305	0·289	+ ·016	22·139	− ·430	21·709	21·698	+ ·011
L 10221	0·403	+ ·017	0·420	0·406	+ ·014	18·144	− ·424	17·720	17·702	+ ·018
L 10232	3·235	+ ·039	3·274	3·263	+ ·011	24·421	− ·445	23·976	23·968	+ ·008
L 10234	4·036	+ ·027	4·063	4·053	+ ·010	21·743	− ·444	21·299	21·287	+ ·012
L 46	21·478	+ ·013	21·491	21·491	·000	20·804	− ·527	20·277	20·278	− ·001
L 47	21·845	− ·022	21·823	21·829	− ·006	13·595	− ·526	13·069	13·068	+ ·001
L 48	22·230	− ·032	22·198	22·200	− ·002	10·088	− ·528	9·560	9·559	+ ·001
L 55	24·619	+ ·042	24·661	24·649	+ ·012	25·071	− ·543	24·528	24·533	− ·005

A glance at these columns shows that not only are the numbers $x-x'$ and $y-y'$ much smaller than $x-\xi'$ and $y-\eta'$ and therefore more easily dealt with, but that an error in computation or an anomalous difference due to proper motion can be detected by inspection, and can be corrected or excluded before proceeding to form a more accurate solution. It will be noticed that, although the co-ordinates ξ' and η' are given on pp. 193, etc., to *four* places of decimals, the approximate solution is only formed to *three*. The saving of labour was found to be so great as to warrant this procedure; and no essential accuracy is sacrificed, for it must be remembered that the meridian places used are affected with errors which are large compared with the unit ·001 or 0″·3. (Cp. *Mon. Not.*, lxi. p. 474).

The stars on the plate were then divided into two groups by the line $x = 13{\cdot}0$. Since they are arranged naturally in order of x, this involves nothing more than allowing a sufficient gap in the MS. at $x = 13{\cdot}0$ on writing down the comparisons. The mean x, x', $x - x'$, y, y', and $y - y'$ are then formed for each group. Then the stars were re-divided into two new groups by the line $y = 13{\cdot}0$. In practice this was done without transcription by enclosing all stars for which y exceeds 13·0 within red-ink lines. It is then easy to form the additions for stars enclosed, and for stars outside. We thus get four sets of means as follows :—

	No. of Stars.	x	x'	$x-x'$	y	y'	$y-y'$
W. half	12	6·585	6·578	+ ·0073	17·205	17·195	+ ·0099
E. half	11	19·170	19·170	− ·0005	13·878	13·874	+ ·0041
N. half	12	10·789	10·779	+ ·0098	21·712	21·706	+ ·0061
S. half	11	14·584	14·587	− ·0032	8·961	8·952	+ ·0083

The sums and means are taken for both x and x' as a check on the arithmetic. Four equations are then written down, as follows :—

$$
\begin{array}{lll|l}
\text{W.} & 6{\cdot}6\,a + 17{\cdot}2\,b + c & = +{\cdot}0073 & +{\cdot}0099 \\
\text{E.} & 19{\cdot}2\,a + 13{\cdot}9\,b + c & = -{\cdot}0005 & +{\cdot}0041 \\
\text{N.} & 10{\cdot}8\,a + 21{\cdot}7\,b + c & = +{\cdot}0098 & +{\cdot}0061 \\
\text{S.} & 14{\cdot}6\,a + 9{\cdot}0\,b + c & = -{\cdot}0032 & +{\cdot}0083
\end{array}
$$

The numbers in the last column really correspond to equations with d, e, f written for a, b, c; but since the coefficients are the same they are not repeated.

The differences of the first pair, and again of the second pair, are then formed :

$$
\begin{array}{lll|l}
\text{E.—W.} & 12{\cdot}6\,a - 3{\cdot}3\,b & = -{\cdot}0078 & -{\cdot}0058 \\
\text{N.—S.} & -3{\cdot}8\,a + 12{\cdot}7\,b & = +{\cdot}0130 & -{\cdot}0022
\end{array}
$$

From these it is easy to deduce the values

$$
\begin{array}{ll}
a = -{\cdot}00038 & d = -{\cdot}00055 \\
b = +{\cdot}00091 & e = -{\cdot}00034
\end{array}
$$

Substituting in each of the four original equations, we get

$$
c = -{\cdot}0059 \qquad f = +{\cdot}0194
$$

The values should be identical, within a unit, for all four equations: for though we seem to have four equations to determine three unknowns, they are not independent; the first pair may be combined to give all the stars on the plate, and so may the second pair.

It remains to combine this second solution with the approximate solution into a single formula. The "approximate solution" is represented by equations

$$
x' = \xi' + A'\xi' + B'\eta' + C', \qquad y' = \eta' + D'\xi' + E'\eta' + F',
$$

where (ξ', η') are necessarily taken as the arguments, since the measures may not have yet been made. But for the supplementary solution it is better to take the measures

(x, y) as arguments, since they are less likely to be affected by errors or anomalies such as large proper motions. We accordingly find—

$$x = x' + ax + by + c, \qquad y = y' + dx + ey + f.$$

Combining these into equations

$$\xi' = x - Ax - By - C, \qquad \eta' = y - Dx - Ey - F,$$

it is readily shown that

For Plate $0^h\ 4^m\ +31°$.

$$\begin{aligned}
A &= (A' + a) - \{A'a + B'd + (B'D' + A'^2)\} = -\cdot00038 + \cdot00002\\
B &= (B' + b) - \{A'b + B'e + B'(A' + E')\} = +\cdot00491 + \cdot00000\\
C &= (C' + c) - \{A'(C' + c) + B'(F' + f)\} = -\cdot0759 + \cdot0017\\
D &= (D' + d) - \{D'a + E'd + D'(A' + E')\} = -\cdot00455 + \cdot00000\\
E &= (E' + e) - \{D'b + E'e + (B'D' + E'^2)\} = -\cdot00034 + \cdot00002\\
F &= (F' + f) - \{D'(C' + c) + E'(F' + f)\} = -\cdot4206 - \cdot0003
\end{aligned}$$

These expressions look more complicated than they really are in practice. The corrections to the simple sums $A' + a$, $B' + b$, etc., are always small: as is illustrated by the case of plate $0^h\ 4^m + 31°$, for which the numerical values are given.

It might have been better to avoid the necessity for this approximate solution by making more accurate adjustments: but at the outset of the work it was not so easy to devise these as it would be now, and time was probably saved by proceeding in the manner indicated.

Finally, to get the standard co-ordinates (ξ, η), from the measures we have—

$$\xi = x - 13 - Ax - By - C, \qquad \eta = y - 13 - Dx - Ey - F,$$

where A, B, C, D, E, F are the provisional constants as printed. This precept is repeated on p. xlvi.

Proper Motions are not available as yet for the great majority of the stars observed at Cambridge, and have thus not generally been applied. But in certain cases where the values of $x - x'$ and $y - y'$ were seen (by inspection) to be anomalous, the star was either omitted from the equations altogether (as in many cases of single observations in the Cambridge Catalogue), or an approximate proper motion was specially calculated and applied. It does not seem necessary to give details, since it became clear very early in the work that the plate constants which could be deduced at present would in any case be approximate only, and will be sensibly modified on revision. Discussion of them is reserved for the last volume.

Meanwhile one word may be added on a point on which a curious misconception seems to have arisen. The constants A and B are by the above process determined independently of the constants D and E, although they are undoubtedly related to them. It seems to be considered by some astronomers that this independent determination ignores or even explicitly denies the relationship. It should scarcely

be necessary to state that no such omission or denial is intended, any more than, when we make two independent determinations of the solar parallax by observing (say) Victoria and Iris and solve the equations separately, we intend to imply that the parallaxes obtained in the two cases will be different. There is not only a convenience in solving the equations independently, but a positive advantage, in that we obtain a check upon the results. And, moreover, this check is not a mere numerical one; it may draw attention to residual phenomena of importance. Thus, let us suppose for a moment that there is no question of "optical distortion," and that when either the measures or the deduced plate constants have been corrected for refraction we should have rigidly

$$A = E, \quad B + D = 0,$$

so far as the *photographic images* are concerned. The photographic measures nevertheless affect only one side of an equation between two sets of quantities, the other side depending on meridian observations; and for these it is by no means clear that the scale value in R.A. is the same as that in Declination. The latter depends on the refraction tables adopted in making zenith-distance observations: the former may vary in different parts of the zone owing to systematic errors in the clock star list, and to magnitude-equation. By keeping the determinations depending on R.A. separate from those depending on Decl., we get material for discussing such systematic errors; while, if we combine the determinations, we gratuitously obscure or reject the information offered. Another point is that the graduation of the *réseau* may differ systematically in the two directions: see pp. xxxiv–xxxvi.

As regards *differential refraction*, accurate formulæ are given for its effect in *Mon. Not. R.A.S.*, lvii. p. 135,* viz.:—

$$\Delta x = (x - X)t, \quad \Delta y = (y - Y)t,$$

where (X, Y) are the co-ordinates of the zenith, supposed projected on the plate, and

$$t(1 + xX + yY) = -\beta_0(1 + x^2 + y^2),$$

β_0 being the coefficient of refraction and x, y, X, Y being expressed in terms of the focal length of the telescope as unit. When $x = 0$, $y = 0$, $t = -\beta_0$, and the refraction at the plate centre is thus $\Delta x = \beta_0 X$, $\Delta y = \beta_0 Y$. Omitting this as a constant affecting the whole plate, the differential refraction is

$$\Delta x = tx - X(t + \beta_0), \quad \Delta y = ty - Y(t + \beta_0).$$

For the plates in the present volume it is sufficient to retain the first order of x and y, and thus—

$$t = -\beta_0(1 - xX - yY),$$
$$\Delta x = -\beta_0(1 + X^2)x - \beta_0 XYy, \quad \Delta y = -\beta_0 XYx - \beta_0(1 + Y^2)y.$$

These are the *effects* of refraction. To find *corrections* to x and y we must reverse the signs. The proper sign is easily determined if we remember that refraction *contracts* the field.

* There are, however, some unfortunate mistakes in this paper, of which a list is given on p. iv of this Introduction.

Zone + 31° Correction for Refraction in units of the sixth decimal place.

Hour Angle.	$\beta_0(1+X^2)$	β_0XY	$\beta_0(1+Y^2)$	Hour Angle.	$\beta_0(1+X^2)$	β_0XY	$\beta_0(1+Y^2)$
h m				h m			
0 0	278	0	318	2 0	314	46	337
10	278	3	318	10	320	52	341
20	279	6	318	20	328	58	345
30	280	9	319	30	336	65	350
40	282	13	320	40	345	73	356
50	284	16	321	50	355	81	363
1 0	287	19	322	3 0	366	90	370
10	290	23	324	10	378	100	378
20	293	27	326	20	391	111	388
30	297	31	328	30	405	123	399
40	302	36	330	40	420	137	411
50	308	41	333	50	437	153	425
2 0	314	46	337	4 0	456	171	441

Thus the corrections at hour angle $4^h\ 0^m$ are

$$\Delta x = +\cdot000456x \mp \cdot000171y,$$
$$\Delta y = \mp\cdot000171x + \cdot000441y,$$

taking the upper sign for plates taken in east hour angles.

Differential aberration gives rise to the *corrections**

$$\Delta x = +\kappa\cos CW . x,$$
$$\Delta y = +\kappa\cos CW . y,$$

where C is the centre of the plate and W a point in the ecliptic 90° behind the Sun; and the coefficient may be written, as in the Greenwich Introduction—

$$\kappa\cos CW = \cdot00010\ o\ \{-\cdot40\sin D\cos\odot - \cdot96\cos D\sin(A-\odot)\},$$

where $\odot$ is the Sun's longitude; omitting a term ·000004 cos D sin $(A+\odot)$.

For the plates in the present volume D = + 31°, and this becomes

$$-\cdot000020\cos\odot - \cdot000082\sin(A-\odot).$$

It will make very little difference if we substitute the Sun's R.A. for his longitude; and then for a plate taken on the meridian at midnight $A-\odot = 180°$, and the second term vanishes. For plates taken on the meridian at other times, the second term has the following values, in units of the sixth decimal place:—

6^h	7^h	8^h	9^h	10^h	11^h	Midnt.	13^h	14^h	15^h	16^h	17^h	18^h
−82	−79	−71	−58	−41	−21	0	+21	+41	+58	+71	+79	+82

The first term depends on the time of year, and has the following values at the *middle* of each month in units of ·000001:—

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
−8	−16	−20	−18	−11	−2	+7	+15	+20	+18	+11	+2

Thus the measures made on a plate taken on the meridian at 8^h in March require the corrections − ·000091 x and − ·000091 y for aberration.

* Some confusion has arisen between *effect* and *correction* in the case both of differential refraction and aberration. On pp. xliv and xlv of the Greenwich Introduction the term "corrections" is in both cases used in the text where "effects" should be used. But the tables given are rightly labelled.

VIII.—DETERMINATION OF A STAR'S STANDARD CO-ORDINATES FROM ITS RIGHT ASCENSION AND DECLINATION: AND OF R.A. AND DEC. FROM ITS MEASURED CO-ORDINATES.

From the provisional constants given at the head of each plate, the standard co-ordinates of a star are obtained from the measures by the formulæ

$$\xi = x - 13 - Ax - By - C,$$
$$\eta = y - 13 - Dx - Ey - F.$$

The name "standard co-ordinates" was proposed (*Mon. Not. R.A.S.*, vol. liv. p. 13) for the co-ordinates which a star would have on an ideal plate fulfilling the following conditions:—

(i.) The plate truly centred and oriented for 1900·0.
(ii.) No refraction and aberration.
(iii.) A suitable unit of length adopted.

The co-ordinates ξ and η are derived from R.A. and Dec. by the purely geometrical formulæ

$$\xi = k \tan(\alpha - A) \sec(\theta - D) \cos\theta,$$
$$\eta = k \tan(\theta - D),$$

where

$$\tan\theta = \sec(\alpha - A)\tan\delta \quad \text{and } k = 687{\cdot}549.$$

(A, D) being the R.A. and Dec. of the plate centre, and (α, δ) those of the star.

In practice it is more convenient to use the following approximate * formulæ :—

Put

$$X = \alpha - A \text{ expressed in units of } 20^{\text{sec.}},$$
$$Y = \delta - D \quad \text{,,} \quad \text{,,} \quad 300'',$$

so that at the equator $\xi = X$ and $\eta = Y$. Then with sufficient accuracy in the Oxford zones

$$\eta = Y$$
$$+ (\tfrac{1}{4}\mu \sin 2D).X^2 \qquad \text{[Table I., Arg. X]}$$
$$+ \tfrac{1}{6}\mu^2(2Y^3 + 3X^2Y\cos 2D) \qquad \text{[Table II., Arg. X \& Y]}$$

where

$$\mu = 1/k = {\cdot}00145444.$$

Table I. is a table of single entry, and when sufficiently expanded is easy to use in practice.

Table II. is a little more troublesome, as all tables of double entry are; but the quantities are small.

When X is known, it is quite easy then to get either η from Y or Y from η. In the second case we subtract the two quantities instead of adding. It is true we do not know Y, but we can infer it by inspection with sufficient accuracy to enter Table II.

* More accurate and very elegant formulæ have been given by Mr Dyson, in expansion of those given by M. Trépied, in *Mon. Not. R.A.S.*, lxiv. p. 647, but these only become necessary nearer the Pole.

To get ξ from X is another matter. There are several alternatives; and in particular we may either make use of existing logarithm tables, or prepare special tables for the purpose.

(*a*) *With logarithms.*—We have

$$\xi = \tan(\alpha - A) . \{\sin D . (k \cot D - \eta)\} \qquad (1)$$

or

$$\xi = X(1 + \tfrac{1}{3}\mu^2 X^2)\{\mu \cos D . \tan D_0(k \cot D_0 - \eta)\} \qquad (2).$$

These two forms, which are nearly the same theoretically, represent different practical methods. No. (1) assumes that we have tables of log tan $(\alpha - A)$ to every $1''$ or $0^s{\cdot}1$, from $(\alpha - A) = 0^\circ$ to $1^\circ\ 15'$ (for zone 31°). The term in brackets depends simply on η: to form its logarithm we add log sin D to log $(k \cot D - \eta)$; *i.e.* for the present zone we add 9·7118393 to log $(1144{\cdot}275 - \eta)$.

In form No. (2) the only logarithm to be taken from the ordinary tables is that of X, which is now a number and not a trigonometrical function. The term log $(1 + \frac{1}{3}\mu^2 X^2)$ is given in Table V., which is the same for all zones. The term in brackets is slightly modified to admit of the ready construction of special tables, as follows:— If instead of $(1144{\cdot}275 - \eta)$ we had $(1144{\cdot}300 - \eta)$, then the logarithms of this quantity for $\eta = 0{\cdot}0$, $0{\cdot}1$, $0{\cdot}2$, $0{\cdot}3$, etc., etc., can be read directly from the tables without interpolation. Now, representing the corresponding value of D by D_0, which is very nearly the same as D, we have

$$\sin D(k \cot D - \eta) = \sin D . \frac{k \cot D - \eta}{k \cot D_0 - \eta}(k \cot D_0 - \eta),$$

in the fractional term of which we may give η its mean value zero to a very close approximation; and we thus obtain the form No. (2). Having formed in Table III. the value of

$$\text{const} + \log\{\mu \cos D . \tan D_0 . (k \cot D_0 - \eta)\}$$

for multiples of 0·1000, the correction for the fractional part of η beyond the first place is given in Table IV. The constant is added to Table III., so that Table IV. may always be positive.

Thus ξ is found from the formula

$$\begin{aligned} \log \xi = {} & \log X \\ & + \text{Table III.} \quad (\text{Arg. } \eta \text{ to } 0{\cdot}1) \\ & + \text{Table IV.} \quad (\text{Arg. remainder of } \eta) \\ & + \text{Table V.} \quad (\text{Arg. X}). \end{aligned}$$

(*b*) *Without logarithms.*—The above computation is quite simple, and it may seem unnecessary to go further. But sometimes logarithm tables are not at hand; or for other reasons it may be convenient to be able to form ξ from X without

reference to any books beyond the present volume. Accordingly tables have been arranged by means of which ξ may be found from X by simple processes of multiplication and interpolation.

When X is constant we have

$$\xi = M - N\eta,$$

so that the differences in η are constant. Hence, if for any given value of X we find ξ for two values of η—say $\eta = +13{\cdot}0$ and $\eta = -13{\cdot}0$—then by uniform graduation we can fill in values of ξ for all other values of η, to any desired limit of subdivision.

When η is constant we have

$$\xi = MX(1 + \tfrac{1}{3}\mu^2 X^2),$$

so that the differences are not quite uniform. But if we have values of X for every *réseau* interval, we can safely interpolate, as Tables IX.–XIII. will show.

In interpolating, however, it is necessary to be careful of the X Y term, which is only eliminated by first obtaining values for ξ with a very nearly correct value of one of the factors. For this purpose is it easiest to choose Y. Hence the subdivison has been carried further for Y than for X.

As an example of both calculations, take the first star on p. (193), viz.,—

	R.A.	Dec.
Cambridge 31	$0^h\ 4^m\ 8^s{\cdot}39$	$+30°\ 17'\ 34''{\cdot}5$ (1875·0)
	$0\ \ 5\ \ 25{\cdot}61$	$+30\ \ 25\ \ 55{\cdot}7$ (1900·0)

$$\therefore\ X = +85^s{\cdot}61/20^s = +4{\cdot}2805, \quad Y = -2044''{\cdot}3/300'' = -6{\cdot}8143.$$

Y =	−6·8143	log X =	0·631495
Table I.	+ 58	Table III. =	9·935598 for $\eta = -6{\cdot}8$
Table II.	− 3	Table IV. =	44 for $\eta = -\ {\cdot}009$
		Table V. =	6
η = Sum =	−6·8088	log ξ = Sum =	0·567143
		ξ =	+ 3·6910
$\eta' = \eta + 13 =$	6·1912	$\xi' = \xi + 13$ =	16·6910

Without logarithms, the computation for ξ would stand thus: for $Y = -6{\cdot}814$ we refer to Table XI., which is headed from $Y = -7{\cdot}0$ to $Y = 0{\cdot}0$; and the precept is—

$$\xi = X - \tfrac{1}{8}X - \tfrac{1}{80}X - \text{following table.}$$

Thus, since

X	=	4·2805
$\frac{1}{8}$X	=	·5351
$\frac{1}{80}$X	=	·0535
Table XI. for X = 4·0, Y = −6·814	=	9
Add for the ·28 of X	=	1
Total to be subtracted		·5896
ξ	=	3·6909

This is not, however, a good test of the tables, for the entry occurs in a part where the formula

$$\xi = X - \tfrac{1}{8}X - \tfrac{1}{80}X$$

is very nearly correct, and the part tabulated is small. Take as another example Leiden 30 (= Oxford +31° 106) on the same plate. Here we have

$$X = +3{\cdot}3700, \qquad Y = -1{\cdot}2757,$$

and the computation without logarithms would stand thus—

$X =$	$+\,3{\cdot}3700$	$Y =$	$-\,1{\cdot}2757$
$\frac{1}{8}X =$	$\cdot4213$	Table I. =	$+\quad 37$
$\frac{1}{80}X =$	$\cdot0421$	Table II. =	$-\quad 0$
Table XI. for X = 3, Y = − 1·276 } =	$\cdot0131$	$\eta =$	$-\,1{\cdot}2720$
Add for X = ·370	16		
Total to be subtracted	$\cdot4781$		
$\xi =$	$+\,2{\cdot}8919$		
$\xi' =$	$15{\cdot}8919$	$\eta' =$	$11{\cdot}7280$

When once the use of the tables is familiar, the operations will not take long. The interpolation for the fractional part of X can generally be performed by using the columns as difference columns, omitting the last figure. Thus for ·37 we look under column X = 3 and find at about the right Y that one-tenth of this column is ·0013; and for ·07, looking under X = 7, we add one-hundredth of ·0300, or ·0003; total ·0016.

Of course the results obtained in this way and in some other way will occasionally differ by ·0001 or even ·0002 (unless we make the computations to five decimal places). But since the measures are only given to ·001, such differences may well be neglected.

To get R.A. and Dec. from the Measures.

First form the standard co-ordinates ξ and η from the formulæ—

$$\xi = x - 13 - Ax - By - C,$$
$$\eta = y - 13 - Dx - Ey - F.$$

Then, *by logarithms*, to log ξ add

Table VI.	entering with argument	ξ.
Table VII.	,, ,,	η to 0·1.
Table VIII.	,, ,,	η remainder.

The sum is log X.

Since Tables III. and IV. are formed for argument η, we might have used them, but they would have to be *subtracted*; and Table V. could be adapted for argument ξ: but it is simpler to form new Tables VI., VII., and VIII., which are additive.

Having found X, we can now enter Table I. with X as argument, and place this quantity below η to be subtracted. By inspection we obtain a sufficiently close value of Y to enter Table II.

As an example, take the first star measured :—

$x =$	$1{\cdot}954$	$y =$	$0{\cdot}611$
$-Ax =$	$+{\cdot}0007$	$-Dx =$	$+{\cdot}0089$
$-By =$	$-{\cdot}0030$	$-Ey =$	$+{\cdot}0002$
$-C =$	$+{\cdot}0742$	$-F =$	$+{\cdot}4209$
$\xi' =$	$2{\cdot}0259$	$\eta' =$	$1{\cdot}0410$
$\xi =$	$-10{\cdot}9741$	$\eta =$	$-11{\cdot}9590$
log. $\xi =$	$1{\cdot}040369$	Table I. $= -$	${\cdot}0516$
Table VI. $=$	20	Table II. $= +$	22
Table VII. $=$	$0{\cdot}062330$		
Table VIII. $=$	19		
Sum $=$	$1{\cdot}102738$		
$X =$	$-12{\cdot}6689$	$Y =$	$-12{\cdot}0084$
$=$	$-4^m\ 13^s{\cdot}38$	$=$	$-1°\ 0'\ 2''{\cdot}5$

The co-ordinates of the plate centre being $0^h\ 4^m\ +31°$, the R.A. and Dec. of the star for 1900·0 are thus—

$$23^h\ 59^m\ 46^s{\cdot}62 \text{ and } +29°\ 59'\ 57''{\cdot}5.$$

Without logarithms. Tables XIV. to XIX.

Or we may obtain X from ξ without using logarithms by Table XIV., thus—

$\xi =$	$10{\cdot}9741$
$\frac{1}{7}\xi =$	$1{\cdot}5677$
$\frac{1}{100}\xi =$	1097
$\xi = 10,\ \eta = -11{\cdot}959$ in Table XIV.	160
$X = {\cdot}974$ in same line	14
$X =$	$12{\cdot}6689$

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TABLES

FOR THE CONVERSION OF

R.A. AND DEC. INTO STANDARD CO-ORDINATES

AND OF

STANDARD CO-ORDINATES INTO R.A. AND DEC.

FOR PLATES WITH CENTRES IN

DEC. + 31°

BOTH WITH LOGARITHMS, AND WITHOUT

TABLE I.—For D = + 31°.

$$\Delta_1 Y = \frac{\mu}{4} \sin 2D.\ X^2 = \cdot0003210\ X^2.$$

Always additive to Y to get η. Always subtractive from η to get Y.

$\Delta_2 Y$ is given in Table II.

X	Δ_1Y	X	Δ_1Y	X	Δ_1Y	X	Δ_1Y	X	Δ_1Y
0·0–0·3	·0000	4·7	·0071	7·3	·0171	9·95	·0318	12·55	·0506
0·4	·0001	4·75	·0073	7·35	·0173	10·0	·0321	12·6	·0510
0·5	·0001	4·8	·0074	7·4	·0176	10·05	·0324	12·65	·0514
0·6	·0001	4·85	·0076	7·45	·0178	10·1	·0327	12·7	·0518
0·7	·0002	4·9	·0077	7·5	·0181	10·15	·0331	12·75	·0522
0·8	·0002	4·95	·0079	7·55	·0183	10·2	·0334	12·8	·0526
0·9	·0003	5·0	·0080	7·6	·0186	10·25	·0337	12·85	·0530
1·0	·0003	5·05	·0082	7·65	·0188	10·3	·0341	12·9	·0534
1·1	·0004	5·1	·0084	7·7	·0191	10·35	·0344	12·95	·0538
1·2	·0005	5·15	·0085	7·75	·0193	10·4	·0347	13·0	·0543
1·3	·0005	5·2	·0087	7·8	·0196	10·45	·0351	13·05	·0547
1·4	·0006	5·25	·0089	7·85	·0198	10·5	·0354	13·1	·0551
1·5	·0007	5·3	·0090	7·9	·0201	10·55	·0357	13·15	·0555
1·6	·0008	5·35	·0092	7·95	·0203	10·6	·0361	13·2	·0559
1·7	·0009	5·4	·0094	8·0	·0206	10·65	·0364	13·25	·0564
1·8	·0010	5·45	·0095	8·05	·0208	10·7	·0368	13·3	·0568
1·9	·0012	5·5	·0097	8·1	·0211	10·75	·0371	13·35	·0572
2·0	·0013	5·55	·0099	8·15	·0213	10·8	·0374	13·4	·0577
2·1	·0014	5·6	·0101	8·2	·0216	10·85	·0378	13·45	·0581
2·2	·0016	5·65	·0102	8·25	·0218	10·9	·0381	13·5	·0585
2·3	·0017	5·7	·0104	8·3	·0221	10·95	·0385	13·55	·0589
2·4	·0018	5·75	·0106	8·35	·0224	11·0	·0389	13·6	·0594
2·5	·0020	5·8	·0108	8·4	·0227	11·05	·0392	13·65	·0598
2·6	·0022	5·85	·0110	8·45	·0229	11·1	·0396	13·7	·0603
2·7	·0023	5·9	·0112	8·5	·0232	11·15	·0399	13·75	·0607
2·8	·0025	5·95	·0114	8·55	·0235	11·2	·0402	13·8	·0611
2·9	·0027	6·0	·0116	8·6	·0237	11·25	·0406	13·85	·0616
3·0	·0029	6·05	·0118	8·65	·0240	11·3	·0410	13·9	·0620
3·1	·0031	6·1	·0119	8·7	·0243	11·35	·0414	13·95	·0625
3·2	·0033	6·15	·0121	8·75	·0246	11·4	·0417	14·0	·0629
3·3	·0035	6·2	·0123	8·8	·0249	11·45	·0421	14·05	·0634
3·4	·0037	6·25	·0125	8·85	·0252	11·5	·0425	14·1	·0638
3·5	·0039	6·3	·0127	8·9	·0254	11·55	·0428	14·15	·0643
3·6	·0042	6·35	·0129	8·95	·0257	11·6	·0432	14·2	·0647
3·7	·0044	6·4	·0131	9·0	·0260	11·65	·0436	14·25	·0652
3·8	·0046	6·45	·0134	9·05	·0263	11·7	·0440	14·3	·0657
3·9	·0049	6·5	·0136	9·1	·0266	11·75	·0443	14·35	·0661
4·0	·0051	6·55	·0138	9·15	·0269	11·8	·0447	14·4	·0666
4·05	·0053	6·6	·0140	9·2	·0272	11·85	·0451	14·45	·0670
4·1	·0054	6·65	·0142	9·25	·0275	11·9	·0455	14·5	·0675
4·15	·0055	6·7	·0144	9·3	·0278	11·95	·0458	14·55	·0680
4·2	·0057	6·75	·0146	9·35	·0281	12·0	·0462	14·6	·0684
4·25	·0058	6·8	·0149	9·4	·0284	12·05	·0466	14·65	·0689
4·3	·0059	6·85	·0151	9·45	·0287	12·1	·0470	14·7	·0694
4·35	·0061	6·9	·0153	9·5	·0290	12·15	·0474	14·75	·0699
4·4	·0062	6·95	·0155	9·55	·0293	12·2	·0478	14·8	·0704
4·45	·0064	7·0	·0157	9·6	·0296	12·25	·0482	14·85	·0709
4·5	·0065	7·05	·0160	9·65	·0300	12·3	·0486	14·9	·0714
4·55	·0067	7·1	·0162	9·7	·0302	12·35	·0490	14·95	·0718
4·6	·0068	7·15	·0164	9·75	·0305	12·4	·0494	15·0	·0723
4·65	·0070	7·2	·0166	9·8	·0308	12·45	·0498	15·05	·0728
		7·25	·0169	9·85	·0311	12·5	·0502	15·1	·0732
				9·9	·0315				

TABLE II.—For D = + 31°.

$$\Delta_2 Y = \mu^2 \left\{ \frac{Y^3}{3} + \frac{1}{2} X^2 Y \cos 2D \right\} = \cdot 000000705\ Y^3 + \cdot 000000498\ X^2 Y.$$

Additive to Y with same sign as Y to get η. Additive to η with opposite sign to η to get Y.

Unit = ·0001 of a Reseau Interval.

Y. or η. \ X.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	10·5	11.	11·5	12.	12.5	13.	13·5	14.	14·5	15.	X. / Y. or η.
R.I.																						R.I.
0·5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0·5
1·0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1·0
1·5	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1·5
2·0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2·0
2·5	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	2·5
3·0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	4	3·0
3·5	0	0	0	1	1	1	1	1	2	2	2	2	2	3	3	3	3	4	4	4	4	3·5
4·0	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	3	4	4	4	4	5	4·0
4·5	1	1	1	1	1	1	2	2	2	2	3	3	3	4	4	4	5	5	5	6	6	4·5
5·0	1	1	1	1	1	2	2	2	3	3	3	3	4	4	5	5	5	5	6	6	7	5·0
5·5	1	1	1	2	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	5·5
6·0	2	2	2	2	2	2	3	3	3	4	5	5	5	5	6	6	7	7	7	7	8	6·0
6·5	2	2	2	2	3	3	3	4	4	5	5	5	6	6	7	7	7	7	8	8	9	6·5
7·0	2	3	3	3	3	3	4	4	5	5	6	6	7	7	7	7	8	8	9	9	10	7·0
7·5	3	3	3	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	12	7·5
8·0	4	4	4	4	4	5	5	6	6	7	8	8	9	9	10	10	11	12	13	13	14	8·0
8·5	4	4	4	5	5	5	6	6	7	8	9	9	10	10	11	11	12	12	13	13	14	8·5
9·0	5	5	5	6	6	6	7	7	8	9	10	10	11	11	12	12	13	13	14	14	15	9·0
9·5	6	6	6	7	7	7	8	8	9	10	11	12	12	12	13	14	14	15	15	16	16	9·5
10·0	7	7	7	8	8	8	9	10	10	11	12	13	13	14	14	15	16	16	17	18	18	10·0
10·5	8	8	9	9	9	10	10	11	12	12	13	14	15	15	16	17	17	18	19	19	20	10·5
11·0	10	10	10	10	10	11	11	12	13	14	15	15	16	16	17	18	19	19	20	21	22	11·0
11·5	11	11	11	11	12	12	13	14	15	16	17	17	18	18	19	20	21	21	22	23	24	11·5
12·0	12	12	12	13	13	14	14	15	16	17	18	19	19	20	21	22	22	23	24	25	26	12·0
12·5	14	14	14	14	15	15	16	17	18	19	20	21	21	22	23	24	24	25	26	27	28	12·5
13·0	16	16	16	16	17	17	18	19	20	21	22	23	23	24	25	26	26	27	28	29	30	13·0

For D = + 31°, and η **Negative.**

Add to log. X to get (with Table V.) log. ξ.

TABLE III.

Argument, η to 0·1. *Not to be interpolated.*

η		·0	·1	·2	·3	·4	·5	·6	·7	·8	·9	1·0
− 0·	9·93	3025	3063	3101	3139	3177	3215	3253	3291	3329	3366	3404
− 1·	9·93	3404	3442	3480	3518	3556	3594	3632	3670	3708	3746	3783
− 2·	9·93	3783	3821	3859	3897	3935	3973	4011	4049	4087	4124	4162
− 3·	9·93	4162	4200	4238	4276	4314	4352	4389	4427	4465	4503	4541
− 4·	9·93	4541	4578	4616	4654	4692	4730	4767	4805	4843	4881	4919
− 5·	9·93	4919	4957	4994	5032	5070	5108	5145	5183	5221	5259	5296
− 6·	9·93	5296	5334	5372	5410	5447	5485	5523	5561	5598	5636	5674
− 7·	9·93	5674	5712	5749	5787	5825	5863	5900	5938	5976	6013	6051
− 8·	9·93	6051	6089	6126	6164	6202	6239	6277	6315	6352	6390	6428
− 9·	9·93	6428	6465	6503	6541	6578	6616	6654	6691	6729	6766	6804
−10·	9·93	6804	6842	6879	6917	6955	6992	7030	7067	7105	7143	7180
−11·	9·93	7180	7218	7255	7293	7331	7368	7406	7443	7481	7518	7556
−12·	9·93	7556	7594	7631	7669	7706	7744	7781	7819	7856	7894	7932

TABLE IV.

Add for remainder of η. (Unit in table is ·000001).

	·000	·001	·002	·003	·004	·005	·006	·007	·008	·009
·00	41	41	42	42	43	43	43	44	44	44
·01	45	45	46	46	46	47	47	47	48	48
·02	49	49	49	50	50	51	51	51	52	52
·03	52	53	53	54	54	54	55	55	55	56
·04	56	57	57	57	58	58	58	59	59	60
·05	60	60	61	61	62	62	62	63	63	63
·06	64	64	65	65	65	66	66	66	67	67
·07	68	68	68	69	69	70	70	70	71	71
·08	71	72	72	73	73	73	74	74	74	75
·09	75	76	76	76	77	77	77	78	78	79

Unit = ·000001

For D = + 31°, and η **Positive.**

Add to log. X to get (with Table V.) log. ξ.

TABLE III.

Argument, η to 0·1. *Not to be interpolated.*

η		·0	·1	·2	·3	·4	·5	·6	·7	·8	·9	1·0
+12·	9·92	8446	8408	8369	8331	8293	8254	8216	8178	8139	8101	8063
+11·	9·92	8830	8791	8753	8715	8676	8638	8600	8561	8523	8485	8446
+10·	9·92	9213	9175	9136	9098	9060	9021	8983	8945	8907	8868	8830
+ 9·	9·92	9596	9557	9519	9481	9442	9404	9366	9328	9289	9251	9213
+ 8·	9·92	9978	9941	9901	9863	9825	9787	9749	9710	9672	9634	9596
+ 7·	9·93	0360	0322	0284	0245	0207	0169	0131	0093	0054	0016	...
+ 6·	9·93	0742	0703	0665	0627	0589	0551	0513	0475	0436	0398	0360
+ 5·	9·93	1123	1085	1047	1009	0971	0932	0894	0856	0818	0780	0742
+ 4·	9·93	1505	1467	1429	1390	1352	1314	1274	1237	1199	1161	1123
+ 3·	9·93	1885	1847	1809	1771	1733	1695	1657	1619	1581	1543	1505
+ 2·	9·93	2265	2227	2189	2151	2113	2075	2037	1999	1961	1923	1885
+ 1·	9·93	2645	2607	2569	2531	2493	2455	2417	2379	2341	2303	2265
+ 0·	9·93	3025	2987	2949	2911	2873	2835	2797	2759	2721	2683	2645

TABLE IV.

Add for remainder of η. (Unit in table is ·000001).

	·000	·001	·002	·003	·004	·005	·006	·007	·008	·009
·09	7	6	6	6	5	5	5	4	4	3
·08	11	10	10	9	9	9	8	8	8	7
·07	14	14	14	13	13	12	12	12	11	11
·06	18	18	17	17	17	16	16	16	15	15
·05	22	22	21	21	20	20	20	19	19	19
·04	26	25	25	25	24	24	24	23	23	22
·03	30	29	29	28	28	28	27	27	27	26
·02	33	33	33	32	32	31	31	31	30	30
·01	37	37	36	36	36	35	35	35	34	34
·00	41	41	40	40	39	39	39	38	38	38

Unit = ·000001.

All Zones. For D = + 31°.

TABLE V.

$\frac{1}{3}\mu^2 \log._{10}e \times X^2 = \cdot 000000306\ X^2.$

Add to log. X to get log. ξ.

X.	·0	·1	·2	·3	·4	·5	·6	·7	·8	·9	X.
1	0	0	0	1	1	1	1	1	1	1	1
2	1	1	1	2	2	2	2	2	2	3	2
3	3	3	3	3	4	4	4	4	4	5	3
4	5	5	5	6	6	6	6	7	7	7	4
5	8	8	8	9	9	9	10	10	10	11	5
6	11	11	12	12	13	13	13	14	14	15	6
7	15	15	16	16	17	17	18	18	19	19	7
8	20	20	21	21	22	22	23	23	24	24	8
9	25	25	26	26	27	28	28	29	29	30	9
10	31	31	32	32	33	34	34	35	36	36	10
11	37	38	38	39	40	40	41	42	43	43	11
12	44	45	46	46	47	48	49	49	50	51	12
13	52	53	53	54	55	56	57	58	58	59	13
14	60	61	62	62	63	64	65	66	67	68	14
15	69	70	71	72	73	73	74	75	76	77	15

TABLE VI.

$\text{Const.} - \frac{1}{3}\mu^2\log._{10}e \cdot \sec^2 D \cdot \xi^2$

$= \cdot 000070 - \cdot 000000416\ \xi^2.$

Add to log. ξ to get log. X.

ξ.	·0	·1	·2	·3	·4	·5	·6	·7	·8	·9	ξ.
0	70	70	70	70	70	70	70	70	70	70	0
1	70	69	69	69	69	69	69	69	69	68	1
2	68	68	68	68	68	67	67	67	67	66	2
3	66	66	66	65	65	65	64	64	64	63	3
4	63	63	62	62	62	61	61	61	60	60	4
5	60	59	59	58	58	57	57	56	56	55	5
6	55	54	54	53	53	52	52	51	51	50	6
7	50	49	49	48	47	47	46	45	45	44	7
8	43	43	42	41	41	40	40	39	38	37	8
9	36	36	35	34	33	32	32	31	30	29	9
10	28	28	27	26	25	24	23	22	21	20	10
11	20	19	18	17	16	15	14	13	12	11	11
12	10	9	8	7	6	5	4	3	2	1	12

For D = + 31° and η Negative.

Add to log. ξ to get (with Table VI.) log. X.

TABLE VII.

Argument η to 0·1. *Not to be interpolated.*

η		·0	·1	·2	·3	·4	·5	·6	·7	·8	·9	1·0
− 0·	0·06	6823	6785	6747	6709	6671	6633	6595	6557	6520	6482	6444
− 1·	0·06	6444	6406	6368	6330	6292	6254	6216	6178	6140	6102	6065
− 2·	0·06	6065	6027	5989	5951	5913	5875	5837	5799	5761	5724	5686
− 3·	0·06	5686	5648	5610	5572	5534	5496	5459	5421	5383	5345	5307
− 4·	0·06	5307	5270	5232	5194	5156	5118	5081	5043	5005	4967	4929
− 5·	0·06	4929	4891	4854	4816	4778	4740	4703	4665	4627	4589	4552
− 6·	0·06	4552	4514	4476	4438	4401	4363	4325	4287	4250	4212	4174
− 7·	0·06	4174	4136	4099	4061	4023	3985	3948	3910	3872	3835	3797
− 8·	0·06	3797	3759	3722	3684	3646	3609	3571	3533	3496	3458	3420
− 9·	0·06	3420	3383	3345	3307	3270	3232	3194	3157	3119	3082	3044
−10·	0·06	3044	3006	2969	2931	2893	2856	2818	2781	2743	2705	2668
−11·	0·06	2668	2630	2593	2555	2517	2480	2442	2405	2367	2330	2292
−12·	0·06	2292	2254	2217	2179	2142	2104	2067	2029	1992	1954	1916

TABLE VIII.

Add for Remainder of η (unit in table is ·000001).

	·000	·001	·002	·003	·004	·005	·006	·007	·008	·009
·00	41	41	40	40	39	39	39	38	38	38
·01	37	37	36	36	36	35	35	35	34	34
·02	33	33	33	32	32	31	31	31	30	30
·03	30	29	29	28	28	28	27	27	27	26
·04	26	25	25	25	24	24	24	23	23	22
·05	22	22	21	21	20	20	20	19	19	19
·06	18	18	17	17	17	16	16	16	15	15
·07	14	14	14	13	13	12	12	12	11	11
·08	11	10	10	9	9	9	8	8	8	7
·09	7	6	6	6	5	5	5	4	4	3

For D = + 31° and η Positive.

Add to log. ξ to get (with Table VI.) log. X.

TABLE VII.

Argument, η to 0·1. *Not to be interpolated.*

η		·0	·1	·2	·3	·4	·5	·6	·7	·8	·9	1·0
+12·	0·07	1402	1440	1479	1517	1555	1594	1632	1670	1709	1747	1785
+11·	0·07	1018	1057	1095	1133	1172	1210	1248	1287	1325	1363	1402
+10·	0·07	0635	0673	0712	0750	0788	0827	0865	0903	0941	0980	1018
+ 9·	0·07	0252	0293	0329	0367	0406	0444	0482	0520	0559	0597	0635
+ 8·	0·07					0023	0061	0099	0138	0176	0214	0252
+ 8·	0·06	9870	9907	9947	9985							
+ 7·	0·06	9488	9526	9564	9603	9641	9679	9717	9755	9794	9832	9870
+ 6·	0·06	9106	9145	9183	9221	9259	9297	9335	9373	9412	9450	9488
+ 5·	0·06	8725	8763	8801	8839	8877	8916	8954	8992	9030	9068	9106
+ 4·	0·06	8343	8381	8419	8458	8496	8534	8574	8611	8649	8687	8725
+ 3·	0·06	7963	8001	8039	8077	8115	8153	8191	8229	8267	8305	8343
+ 2·	0·06	7583	7621	7659	7697	7735	7773	7811	7849	7887	7925	7963
+ 1·	0·06	7203	7241	7279	7317	7355	7393	7431	7469	7507	7545	7583
+ 0·	0·06	6823	6861	6899	6937	6975	7013	7051	7089	7127	7165	7203

TABLE VIII.

Add for Remainder of η (unit in table is ·000001).

	·000	·001	·002	·003	·004	·005	·006	·007	·008	·009
·09	75	76	76	76	77	77	77	78	78	79
·08	71	72	72	73	73	73	74	74	74	75
·07	68	68	68	69	69	70	70	70	71	71
·06	64	64	65	65	65	66	66	66	67	67
·05	60	60	61	61	62	62	62	63	63	63
·04	56	57	57	57	58	58	58	59	59	60
·03	52	53	53	54	54	54	55	55	55	56
·02	49	49	49	50	50	51	51	51	52	52
·01	45	45	46	46	46	47	47	47	48	48
·00	41	41	42	42	43	43	43	44	44	44

TABLE IX.—For D = + 31°.

From Y = − 13·0 to Y = − 10·0. $\xi = X - \frac{1}{8}X - \frac{1}{160}X$ − following table.

Y.	X = 1.	X = 2.	X = 3.	X = 4.	X = 5.	X = 6.	X = 7.	X = 8.	X = 9.	X = 10.	X = 11.	X = 12.	X = 13.	X = 14.	X = 15.	Y.
−10·0	·0041	·0082	·0123	·0164	·0205	·0245	·0286	·0326	·0366	·0406	·0445	·0485	·0524	·0563	·0602	−10·0
1	41	81	121	161	201	241	280	320	359	398	437	476	514	553	591	1
2	40	79	119	158	197	236	275	314	352	391	429	467	505	542	580	2
3	39	78	116	155	194	232	270	308	345	383	421	458	495	532	568	3
4	38	76	114	152	190	227	265	302	339	376	412	449	485	521	557	4
5	38	75	112	149	186	223	259	296	332	368	404	440	475	511	546	5
6	37	73	110	146	182	218	254	290	325	361	396	431	466	500	535	6
7	36	72	107	143	179	214	249	284	318	353	388	422	456	489	523	7
8	35	70	105	140	175	209	244	278	312	346	379	413	446	479	512	8
−10·9	35	69	103	137	171	205	238	271	305	338	371	404	436	468	501	−10·9
−11·0	·0034	·0067	·0101	·0134	·0167	·0200	·0233	·0265	·0298	·0331	·0363	·0395	·0427	·0458	·0490	−11·0
1	33	66	98	131	164	196	228	259	291	323	355	386	417	447	478	1
2	32	64	96	128	160	191	222	253	285	316	346	377	407	437	467	2
3	31	63	94	125	156	187	217	247	278	308	338	368	397	426	456	3
4	31	61	92	122	152	182	212	241	271	301	330	359	388	416	445	4
5	30	60	89	119	149	178	207	235	264	293	322	350	378	405	433	5
6	29	58	87	116	145	173	201	229	258	286	313	341	368	395	422	6
7	28	57	85	113	141	169	196	223	251	278	305	332	358	384	411	7
8	27	55	83	110	137	164	191	217	244	271	297	323	349	374	399	8
−11·9	27	54	80	107	134	160	186	211	237	263	289	314	339	363	388	−11·9
−12·0	·0026	·0052	·0078	·0104	·0130	·0155	·0181	·0205	·0231	·0256	·0281	·0305	·0329	·0353	·0377	−12·0
1	25	51	76	101	126	151	175	199	224	248	272	296	319	342	365	1
2	24	49	74	98	122	146	170	193	217	241	264	287	310	332	354	2
3	24	48	72	95	119	142	165	187	210	233	256	278	300	321	343	3
4	23	46	69	92	115	137	160	181	204	226	248	269	290	311	332	4
5	22	45	67	89	111	133	154	176	197	218	239	260	280	300	321	5
6	22	43	65	86	107	128	149	170	190	211	231	251	271	290	310	6
7	21	42	63	83	104	124	144	164	183	203	223	242	261	279	298	7
8	20	40	60	80	100	119	139	158	177	196	215	233	251	269	287	8
−12·9	20	39	58	77	96	115	133	152	170	188	206	224	241	258	276	−12·9
−13·0	·0019	·0037	·0056	·0074	·0092	·0110	·0128	·0146	·0164	·0181	·0198	·0215	·0232	·0248	·0265	−13·0

TABLE X.—For D = +31°.

From Y = −10·0 to Y = −7·0. $\xi = X - \frac{1}{8}X - \frac{1}{100}X$ − following table.

Y.	X = 1.	X = 2.	X = 3.	X = 4.	X = 5.	X = 6.	X = 7.	X = 8.	X = 9.	X = 10.	X = 11.	X = 12.	X = 13.	X = 14.	X = 15.	Y.
− 7·0	·0026	·0052	·0078	·0103	·0129	·0154	·0180	·0205	·0230	·0255	·0280	·0304	·0328	·0352	·0376	− 7·0
1	25	51	76	100	125	150	175	199	223	247	272	295	318	341	365	1
2	24	49	73	97	121	145	170	193	217	240	264	286	309	331	354	2
3	24	48	71	94	118	141	164	187	210	232	255	277	299	320	343	3
4	23	46	69	91	114	136	159	181	203	225	247	268	289	310	331	4
5	22	44	66	88	110	132	154	175	197	217	239	259	280	299	320	5
6	21	43	64	85	106	127	148	169	190	210	230	250	270	289	309	6
7	20	41	62	82	103	123	143	163	183	202	222	241	260	278	298	7
8	20	40	60	79	99	118	138	157	177	195	214	232	250	268	286	8
− 7·9	19	38	57	76	95	114	132	151	170	187	205	223	240	257	275	− 7·9
− 8·0	·0018	·0037	·0055	·0073	·0091	·0109	·0127	·0145	·0163	·0180	·0197	·0214	·0231	·0247	·0264	− 8·0
1	17	35	53	70	87	104	122	139	156	172	189	205	221	236	253	1
2	17	34	51	67	83	100	117	133	149	165	181	196	212	226	241	2
3	16	32	49	64	80	95	111	127	142	157	172	187	202	215	229	3
4	15	31	46	61	76	91	106	121	136	150	164	178	192	205	218	4
5	15	29	44	58	72	86	101	115	129	142	156	169	182	194	207	5
6	14	28	42	55	69	82	96	109	122	135	148	160	173	184	196	6
7	13	26	40	52	65	78	91	103	115	127	139	151	163	173	184	7
8	12	25	37	49	61	73	85	97	109	120	131	142	153	163	173	8
− 8·9	12	23	35	46	58	69	80	91	102	112	123	133	143	152	162	− 8·9
− 9·0	·0011	·0022	·0033	·0043	·0054	·0065	·0075	·0085	·0095	·0105	·0115	·0125	·0134	·0142	·0151	− 9·0
1	10	21	31	40	50	60	70	79	88	97	107	116	124	132	140	1
2	9	18	28	37	47	56	65	73	81	90	99	107	114	121	128	2
3	9	17	26	34	43	51	60	67	75	82	91	98	105	111	117	3
4	8	16	24	31	39	47	54	61	68	75	82	89	95	100	106	4
5	7	14	21	28	35	42	49	55	61	67	74	80	85	90	95	5
6	6	13	19	25	32	38	44	49	55	60	66	71	76	80	84	6
7	5	11	17	22	28	33	39	43	48	52	58	62	66	69	73	7
8	5	10	14	19	24	29	33	37	41	45	49	53	56	59	61	8
− 9·9	4	8	12	16	20	24	28	31	35	37	41	44	46	48	50	− 9·9
− 10·0	·0003	·0007	·0010	·0013	·0017	·0020	·0023	·0025	·0028	·0030	·0033	·0035	·0036	·0038	·0039	− 10·0

TABLE XI.—For D = +31°.

From Y = −7·0 to Y = 0·0. $\xi = X - \frac{1}{8}X - \frac{1}{80}X$ − following table.

Y.	X = 1.	X = 2.	X = 3.	X = 4.	X = 5.	X = 6.	X = 7.	X = 8.	X = 9.	X = 10.	X = 11.	X = 12.	X = 13.	X = 14.	X = 15.	Y.
0·0	·0053	·0107	·0160	·0213	·0266	·0319	·0372	·0425	·0477	·0530	·0582	·0634	·0685	·0736	·0788	0·0
−0·1	53	105	157	210	263	315	367	419	470	522	573	625	676	726	777	−0·1
2	52	104	155	207	259	310	362	413	464	515	565	616	666	715	766	2
3	51	102	153	204	255	306	357	407	457	507	557	607	656	705	754	3
4	50	101	151	201	251	301	351	401	450	500	549	598	646	695	743	4
5	50	99	148	198	248	297	346	395	443	492	540	589	637	684	732	5
6	49	98	146	195	244	292	341	389	437	485	532	580	627	674	721	6
7	48	96	144	192	240	288	336	383	430	477	524	571	617	663	709	7
8	47	95	142	189	236	283	330	377	423	470	516	562	608	653	698	8
−0·9	47	93	139	186	233	279	325	371	416	462	507	553	598	642	687	−0·9
−1·0	·0046	·0092	·0137	·0183	·0229	·0274	·0320	·0365	·0410	·0455	·0499	·0544	·0588	·0632	·0676	−1·0
1	45	90	135	180	225	270	315	359	403	447	491	535	579	621	664	1
2	44	89	133	177	221	265	309	353	396	440	483	526	569	611	653	2
3	44	87	130	174	218	261	304	347	389	432	474	517	559	600	642	3
4	43	86	128	171	214	256	299	341	383	425	466	508	549	590	631	4
5	42	84	126	168	210	252	294	335	376	417	458	499	539	579	619	5
6	41	83	124	165	206	247	288	329	369	410	450	490	530	569	608	6
7	41	81	121	162	203	243	283	323	362	402	442	481	520	558	597	7
8	40	80	119	159	199	238	278	317	355	395	434	472	510	548	586	8
−1·9	39	78	117	156	195	234	273	311	348	387	425	463	500	537	574	−1·9
−2·0	0038	·0077	·0115	·0153	·0191	·0229	·0267	·0305	·0342	·0380	·0417	·0454	·0491	·0527	·0563	−2·0
1	38	75	112	150	188	225	262	299	336	372	409	445	481	516	552	1
2	37	74	110	147	184	220	257	293	329	365	401	436	471	506	541	2
3	36	72	108	144	180	216	252	287	322	357	393	427	461	495	529	3
4	35	71	106	141	176	211	246	281	315	350	384	418	452	485	518	4
5	35	69	104	138	173	207	241	275	309	342	376	409	442	474	507	5
6	34	68	101	135	169	202	236	269	302	335	368	400	432	464	496	6
7	33	66	99	132	165	198	231	263	295	327	360	391	422	453	484	7
8	32	65	97	129	161	193	225	257	288	320	351	382	413	443	473	8
−2·9	32	63	95	126	158	189	220	251	281	312	343	373	403	432	462	−2·9
−3·0	·0031	·0062	·0092	·0123	·0154	·0184	·0215	·0245	·0275	·0305	·0335	·0364	·0393	·0422	·0451	−3·0
1	30	60	90	120	150	180	210	239	268	297	327	355	383	411	439	1
2	29	59	88	117	146	175	204	233	261	290	318	346	374	401	428	2
3	29	57	86	114	143	171	199	227	254	282	310	337	364	390	417	3
4	28	56	84	111	139	166	194	221	248	275	302	328	354	380	406	4
5	27	54	81	108	135	162	189	215	241	267	294	319	344	369	394	5
6	26	53	79	105	131	157	183	209	234	260	285	310	335	359	383	6
7	26	51	77	102	128	153	178	203	227	252	277	301	325	348	372	7
8	25	50	75	99	124	148	173	197	221	245	269	292	315	338	361	8
−3·9	24	48	72	96	120	144	168	191	214	237	261	283	305	327	349	−3·9
−4·0	·0023	·0047	·0070	·0093	·0116	·0139	·0162	·0185	·0207	·0230	·0252	·0274	·0296	·0317	·0338	−4·0
1	23	45	68	90	113	135	157	179	200	222	244	265	286	306	327	1
2	22	44	65	87	109	130	152	173	194	215	236	256	276	296	316	2
3	21	42	63	84	105	126	147	167	187	207	228	247	266	285	304	3
4	20	41	61	81	101	121	141	161	180	200	219	238	257	275	293	4
5	20	39	59	78	98	117	136	155	173	192	211	229	247	264	282	5
6	19	38	56	75	94	112	131	149	167	185	203	220	237	254	271	6
7	18	36	54	72	90	108	126	143	160	177	194	211	227	243	259	7
8	17	35	52	69	86	103	120	137	153	170	186	202	218	233	248	8
−4·9	17	33	50	66	83	99	115	131	146	162	178	193	208	222	237	−4·9
−5·0	·0016	·0032	·0047	·0063	·0079	·0094	·0110	·0125	·0140	·0155	·0170	·0184	·0198	·0212	·0226	−5·0
1	15	30	45	60	75	90	105	119	133	147	162	175	188	201	214	1
2	14	29	43	57	71	85	99	113	126	140	153	166	179	191	203	2
3	14	27	41	54	68	81	94	107	119	132	145	157	169	180	192	3
4	13	26	39	51	64	76	89	101	113	125	137	148	159	170	181	4
5	12	24	36	48	60	72	84	95	106	117	128	139	149	159	169	5
6	11	23	34	45	56	67	78	89	99	110	120	130	140	149	158	6
7	11	21	32	42	53	63	73	83	92	102	112	121	130	138	147	7
8	10	20	30	39	49	58	68	77	86	95	104	112	120	128	136	8
−5·9	9	18	27	36	45	54	63	71	79	87	96	103	110	117	124	−5·9
−6·0	·0008	·0017	·0025	·0033	·0041	·0049	·0057	·0065	·0073	·0080	·0087	·0094	·0101	·0107	·0113	−6·0
1	8	15	23	30	38	45	52	59	66	72	79	85	91	96	102	1
2	7	14	21	27	34	40	47	53	59	65	71	76	81	86	90	2
3	6	12	18	24	30	36	42	47	52	57	62	67	71	75	79	3
4	5	11	16	21	27	31	36	41	46	50	54	58	62	65	68	4
5	5	9	14	18	23	27	31	35	39	42	46	49	52	54	56	5
6	4	8	12	15	19	22	26	29	32	35	38	40	42	44	45	6
7	3	6	9	12	15	18	21	23	25	27	29	31	32	33	34	7
8	2	5	7	9	11	13	15	17	19	20	21	22	23	23	23	8
−6·9	2	3	5	6	8	9	10	11	12	12	13	13	13	12	11	−6·9
−7·0	·0001	·0002	·0003	·0003	·0004	·0004	·0005	·0005	·0005	·0005	·0005	·0005	·0003	·0002	·0000	−7·0

TABLE XII.—For D = +31°.

From Y = 0·0 to Y = +7·0. $\xi = X - \frac{1}{7}X$ − following table.

Y.	X=1.	X=2.	X=3.	X=4.	X=5.	X=6.	X=7.	X=8.	X=9.	X=10.	X=11.	X=12.	X=13.	X=14.	X=15.	Y.
+7·0	·0052	·0104	·0156	·0209	·0261	·0313	·0364	·0416	·0467	·0518	·0569	·0620	·0671	·0721	·0770	+7·0
+6·9	52	103	154	206	258	308	359	410	460	511	561	611	661	710	759	6·9
8	51	102	152	203	254	304	354	404	454	503	553	602	651	700	748	8
7	50	100	149	200	250	299	349	398	447	496	544	593	642	689	736	7
6	50	99	147	197	247	295	343	392	440	488	536	584	632	679	725	6
5	49	97	145	194	243	290	338	386	433	481	528	575	622	668	714	5
4	48	96	143	191	239	286	333	380	426	473	520	566	613	658	703	4
3	48	94	141	188	235	281	328	374	420	466	511	557	603	647	692	3
2	47	93	138	185	232	277	322	368	413	458	503	548	593	637	680	2
1	46	91	136	182	228	272	317	362	406	451	495	539	584	626	669	1
+6·0	·0045	·0090	·0134	·0179	·0224	·0268	·0312	·0356	·0400	·0443	·0486	·0530	·0574	·0616	·0658	+6·0
+5·9	45	88	132	176	220	263	307	350	393	436	478	521	564	605	647	+5·9
8	44	87	130	173	216	259	301	344	386	428	470	512	554	595	636	8
7	43	85	127	170	213	254	296	338	379	421	462	503	545	584	624	7
6	42	84	125	167	209	250	291	332	372	413	453	494	535	574	613	6
5	42	82	123	164	205	245	286	326	366	406	445	485	525	563	602	5
4	41	81	121	161	201	241	280	320	359	398	437	476	515	553	591	4
3	40	79	118	158	198	236	275	314	352	391	429	467	506	542	580	3
2	39	78	116	155	194	232	270	308	345	383	420	458	496	532	568	2
1	39	76	114	152	190	227	265	302	339	376	412	449	486	521	557	1
+5·0	·0038	·0075	·0112	·0149	·0186	·0223	·0259	·0295	·0332	·0368	·0404	·0440	·0476	·0511	·0546	+5·0
+4·9	37	73	109	146	182	218	254	290	325	361	396	431	466	500	535	+4·9
8	36	72	107	143	179	214	249	284	318	353	387	422	457	490	523	8
7	36	70	105	140	175	209	244	278	312	346	379	413	447	479	512	7
6	35	69	103	137	171	205	238	272	305	338	371	404	437	469	501	6
5	34	67	100	134	168	200	233	266	298	331	363	395	427	458	489	5
4	33	66	98	131	164	196	228	260	291	323	354	386	417	448	478	4
3	33	64	96	128	160	191	223	254	285	316	346	377	408	437	467	3
2	32	63	94	125	156	187	217	248	278	308	338	368	398	427	456	2
1	31	61	91	122	153	182	212	242	271	301	330	359	388	416	444	1
+4·0	·0030	·0060	·0089	·0119	·0149	·0178	·0207	·0236	·0265	·0293	·0321	·0350	·0378	·0406	·0433	+4·0
+3·9	30	58	87	116	145	173	202	230	258	286	313	341	368	395	422	+3·9
8	29	57	85	113	141	169	196	224	251	278	305	332	359	385	411	8
7	28	55	82	110	137	164	191	218	244	271	297	323	349	374	399	7
6	27	54	80	107	134	160	186	212	237	263	288	314	339	364	388	6
5	27	52	78	104	130	155	181	206	231	256	280	305	329	353	377	5
4	26	51	76	101	126	151	175	200	224	248	272	296	320	343	366	4
3	25	49	73	98	122	146	170	194	217	241	264	287	310	332	354	3
2	24	48	71	95	119	142	165	188	210	233	255	278	300	322	343	2
1	24	46	69	92	115	137	160	182	204	226	247	269	290	311	332	1
+3·0	·0023	·0045	·0067	·0089	·0111	·0133	·0154	·0176	·0197	·0218	·0239	·0260	·0281	·0301	·0321	+3·0
+2·9	22	43	64	86	107	128	149	170	190	211	231	251	271	290	310	+2·9
8	21	42	62	83	104	124	144	164	183	203	223	242	261	280	299	8
7	21	40	60	80	100	119	139	158	177	196	214	233	251	269	287	7
6	20	39	58	77	96	115	133	152	170	188	206	224	242	259	276	6
5	19	37	55	74	92	110	128	146	163	182	198	215	232	248	265	5
4	18	36	53	71	89	106	123	140	156	174	190	207	222	238	254	4
3	18	34	51	68	85	101	118	134	150	167	181	198	213	227	242	3
2	17	33	49	65	81	97	112	128	143	159	173	189	203	217	231	2
1	16	31	46	62	77	92	107	122	136	152	165	180	193	206	220	1
+2·0	·0015	·0030	·0044	·0059	·0074	·0088	·0102	·0116	·0130	·0144	·0157	·0171	·0184	·0196	·0209	+2·0
+1·9	15	28	42	56	70	83	97	110	123	137	149	162	174	186	198	+1·9
8	14	27	40	53	66	79	91	104	116	129	141	153	164	175	187	8
7	13	25	37	50	62	74	86	98	109	122	132	144	155	165	175	7
6	12	24	35	47	59	70	81	92	102	114	124	135	145	154	164	6
5	12	22	33	44	55	65	76	86	96	107	116	126	135	144	153	5
4	11	21	31	41	51	61	70	80	89	99	108	117	125	134	142	4
3	10	19	28	38	47	56	65	74	82	92	99	108	116	123	131	3
2	9	18	26	35	44	52	60	68	75	84	91	99	106	113	119	2
1	9	16	24	32	40	47	55	62	68	77	83	90	96	102	108	1
+1·0	·0008	·0015	·0022	·0029	·0036	·0043	·0049	·0056	·0062	·0069	·0075	·0081	·0087	·0092	·0097	+1·0
+0·9	7	13	19	26	33	38	44	50	55	62	66	72	77	81	86	+0·9
8	6	12	17	23	29	34	39	44	48	54	58	63	67	71	75	8
7	6	10	15	20	25	29	34	38	41	47	50	54	58	60	64	7
6	5	9	13	17	21	25	28	32	35	39	42	45	48	50	52	6
5	4	7	10	14	18	20	23	26	28	32	33	36	38	39	41	5
4	3	6	8	11	14	16	18	20	21	24	25	27	29	29	29	4
3	3	4	6	8	10	11	13	14	14	17	17	18	19	18	17	3
2	2	3	4	5	7	7	8	8	8	9	9	9	9	8	6	2
+0·1	1	1	1	2	3	2	2	2	2	2	0	1	*·0001*	*·0003*	*·0005*	+0·1
0·0	·0000	·0000	*·0001*	*·0001*	*·0001*	*·0002*	*·0003*	*·0004*	*·0005*	*·0006*	*·0008*	*·0009*	*·0011*	*·0014*	*·0016*	0·0

TABLE XIII.—For D = +31°.

From Y = +7·0 to Y = +13·0. $\xi = X - \frac{1}{7}X - \frac{1}{200}X$ – following table.

Y.	X = 1.	X = 2.	X = 3.	X = 4.	X = 5.	X = 6.	X = 7.	X = 8.	X = 9.	X = 10.	X = 11.	X = 12.	X = 13.	X = 14.	X = 15.	Y.
+13·0	·0047	·0094	·0141	·0189	·0235	·0282	·0329	·0375	·0422	·0468	·0514	·0560	·0605	·0650	·0695	+13·0
+12·9	46	93	139	186	231	278	324	369	415	460	506	551	595	640	684	+12·9
8	45	91	137	183	228	273	318	363	408	453	498	542	586	629	672	8
7	45	90	134	179	224	269	313	357	401	445	489	533	576	619	661	7
6	44	88	132	176	220	264	308	351	394	438	481	524	566	608	650	6
5	43	87	130	174	217	260	303	345	388	430	473	515	557	598	639	5
4	42	85	128	171	213	255	297	339	381	423	465	506	547	587	627	4
3	41	84	126	168	209	251	292	333	374	415	456	497	537	577	616	3
2	41	82	123	165	206	246	287	327	367	408	448	488	527	566	605	2
1	40	81	121	162	202	242	282	321	361	400	440	479	518	556	593	1
+12·0	·0039	·0079	·0119	·0159	·0198	·0237	·0276	·0315	·0354	·0393	·0432	·0470	·0508	·0545	·0582	+12·0
+11·9	39	78	117	156	194	233	271	309	347	385	424	461	498	535	571	+11·9
8	38	76	114	152	190	228	266	303	340	378	415	452	489	525	560	8
7	37	75	112	149	186	224	261	297	334	370	407	443	479	514	549	7
6	36	73	110	146	183	219	255	291	327	363	399	434	469	503	537	6
5	36	72	107	143	179	215	250	285	321	355	390	425	459	493	526	5
4	35	70	105	140	175	210	245	279	314	348	382	416	450	482	515	4
3	34	69	103	137	171	206	240	273	307	340	374	407	440	472	504	3
2	33	67	100	134	168	201	234	267	301	333	366	398	430	461	492	2
1	32	66	98	131	164	197	229	261	294	325	357	389	420	451	481	1
+11·0	·0032	·0064	·0096	·0128	·0160	·0192	·0224	·0255	·0287	·0318	·0349	·0380	·0411	·0440	·0470	+11·0
+10·9	31	63	94	125	156	188	219	249	280	310	341	371	401	430	459	+10·9
8	30	61	92	122	152	183	213	243	273	303	333	362	391	419	448	8
7	29	60	89	119	149	179	208	237	267	295	325	353	381	409	437	7
6	29	58	87	116	145	174	203	231	260	288	316	344	372	399	426	6
5	28	57	85	114	142	170	198	225	253	280	308	335	362	388	414	5
4	27	55	83	111	138	165	192	219	246	273	300	326	352	377	403	4
3	26	53	80	107	134	161	187	213	239	265	291	317	342	367	391	3
2	25	52	78	105	131	156	182	207	233	258	283	308	333	357	380	2
1	24	51	76	102	127	152	177	201	226	250	275	299	323	346	369	1
+10·0	·0024	·0049	·0074	·0099	·0123	·0147	·0171	·0195	·0219	·0243	·0267	·0290	·0313	·0335	·0357	+10·0
+ 9·9	23	48	72	96	119	143	166	189	212	235	259	281	303	325	346	+ 9·9
8	23	46	70	93	115	138	161	183	206	228	250	272	294	315	335	8
7	22	45	67	90	112	134	156	177	199	220	242	263	284	304	324	7
6	21	43	65	87	108	129	150	171	192	213	234	254	274	294	313	6
5	21	42	63	84	104	125	145	165	186	205	225	245	264	283	302	5
4	20	40	60	81	100	120	140	159	179	198	217	236	255	273	291	4
3	19	39	58	78	96	116	135	153	172	190	209	227	245	262	279	3
2	19	37	56	75	93	111	129	147	165	183	200	218	235	252	267	2
1	18	36	54	72	89	107	124	141	158	175	192	209	225	241	256	1
+ 9·0	·0017	·0034	·0051	·0069	·0085	·0102	·0119	·0135	·0152	·0168	·0184	·0200	·0216	·0231	·0245	+ 9·0
+ 8·9	17	33	49	65	81	98	114	129	145	161	176	191	206	220	234	+ 8·9
8	16	31	47	63	78	93	108	123	138	153	167	182	196	210	223	8
7	15	30	45	60	74	89	103	117	131	146	159	173	186	199	211	7
6	15	28	42	57	71	84	98	111	125	138	151	164	177	189	200	6
5	14	27	40	54	67	80	93	105	119	131	143	155	167	178	189	5
4	13	25	37	51	63	75	87	99	112	123	135	146	157	168	178	4
3	12	24	35	48	59	71	82	93	105	115	126	137	147	157	166	3
2	12	22	33	45	56	66	77	87	99	108	118	128	138	147	155	2
1	11	21	30	42	52	62	72	81	92	101	110	119	128	136	144	1
+ 8·0	·0010	·0019	·0028	·0039	·0048	·0057	·0066	·0075	·0085	·0093	·0102	·0110	·0118	·0126	·0133	+ 8·0
+ 7·9	9	18	26	36	44	53	61	69	78	86	94	101	108	115	122	+ 7·9
8	8	16	24	33	41	48	56	63	71	78	85	92	99	105	110	8
7	8	15	21	30	37	44	51	57	64	71	77	83	89	94	99	7
6	7	13	19	27	33	39	45	51	58	63	68	74	79	84	88	6
5	6	12	17	24	30	35	40	45	50	55	60	65	70	73	76	5
4	5	10	15	21	26	30	35	39	44	48	52	56	60	63	65	4
3	4	9	12	18	22	26	30	33	37	41	44	47	50	52	54	3
2	4	7	10	15	19	22	24	27	30	33	36	38	41	42	42	2
1	3	6	8	12	15	17	19	21	24	26	28	29	31	31	31	1
+ 7·0	·0002	·0004	·0006	·0009	·0011	·0013	·0014	·0015	·0017	·0018	·0020	·0020	·0021	·0021	·0020	+ 7·0

TABLE XIV.—For D = + 31°.

And η = − 13·0 to η = − 9·0. $X = \xi + \frac{1}{7}\xi + \frac{1}{100}\xi$ + following table.

η.	ξ=1.	ξ=2.	ξ=3.	ξ=4.	ξ=5.	ξ=6.	ξ=7.	ξ=8.	ξ=9.	ξ=10.	ξ=11.	ξ=12.	ξ=13.	η.
− 9·0	·0046	·0093	·0139	·0186	·0232	·0278	·0323	·0368	·0412	·0456	·0499	·0541	·0583	− 9·0
1	45	91	136	182	227	272	316	360	403	446	488	529	570	1
2	44	89	133	178	222	266	309	352	394	436	477	517	557	2
3	43	87	130	174	217	260	302	344	385	426	466	505	544	3
4	42	85	127	170	212	254	295	336	376	416	455	493	531	4
5	41	83	124	166	207	248	287	328	367	406	444	481	518	5
6	40	81	121	162	202	242	280	319	358	396	433	469	505	6
7	39	79	118	158	197	236	273	311	349	386	422	457	492	7
8	38	77	115	154	192	230	266	303	340	376	411	445	479	8
− 9·9	37	75	112	150	187	224	259	295	331	366	400	433	466	− 9·9
− 10·0	·0036	·0073	·0109	·0146	·0182	·0218	·0252	·0287	·0322	·0356	·0389	·0421	·0453	− 10·0
1	35	71	106	142	177	212	245	279	313	346	378	409	440	1
2	34	69	103	138	172	·206	238	271	304	336	367	397	427	2
3	33	67	100	134	167	200	231	263	295	326	356	385	414	3
4	32	65	97	130	162	194	224	255	286	316	345	373	401	4
5	31	63	94	126	157	188	217	246	276	306	334	361	388	5
6	30	61	91	122	152	182	210	238	267	296	323	349	375	6
7	29	59	88	118	147	176	203	230	258	286	312	337	362	7
8	28	57	85	114	142	170	196	222	249	276	301	325	349	8
− 10·9	27	55	82	110	137	164	189	214	240	266	290	313	336	− 10·9
− 11·0	·0026	·0053	·0079	·0106	·0132	·0158	·0182	·0206	·0231	·0256	·0279	·0301	·0323	− 11·0
1	25	51	76	102	127	152	175	198	222	246	268	289	310	1
2	24	49	73	98	122	146	168	190	213	236	257	277	297	2
3	23	47	70	94	116	140	161	183	204	226	246	265	284	3
4	22	45	67	90	111	134	154	175	195	216	235	253	271	4
5	21	43	64	86	106	128	148	167	187	206	224	241	258	5
6	20	41	61	82	101	122	141	159	178	196	213	229	245	6
7	19	39	58	78	96	116	134	152	169	186	202	217	232	7
8	18	37	55	74	91	110	127	144	160	176	191	205	219	8
− 11·9	17	35	52	70	86	104	120	136	151	166	180	193	206	− 11·9
− 12·0	·0016	·0033	·0049	·0066	·0081	·0098	·0113	·0128	·0142	·0156	·0169	·0181	·0193	− 12·0
1	15	31	46	62	76	92	106	120	133	146	158	169	180	1
2	14	29	43	58	71	86	99	112	124	136	147	157	167	2
3	13	27	40	54	66	80	92	104	115	126	136	145	154	3
4	12	25	37	50	61	74	85	96	106	116	125	133	141	4
5	11	23	34	46	56	67	78	88	98	106	114	121	128	5
6	10	21	31	42	51	61	71	80	89	96	103	109	115	6
7	9	20	28	38	46	55	64	72	80	86	93	97	102	7
8	8	18	25	34	41	49	57	64	71	76	82	85	89	8
− 12·9	7	16	22	30	36	43	50	56	62	66	71	73	76	− 12·9
− 13·0	·0006	·0014	·0019	·0026	·0031	·0037	·0043	·0048	·0053	·0056	·0060	·0061	·0063	− 13·0

TABLE XV.—For D = +31°.

And $\eta = -9{\cdot}0$ to $\eta = -3{\cdot}0$. $X = \xi + \frac{1}{7}\xi + \frac{1}{70}\xi +$ following table.

η.	ξ=1.	ξ=2.	ξ=3.	ξ=4.	ξ=5.	ξ=6.	ξ=7.	ξ=8.	ξ=9.	ξ=10.	ξ=11.	ξ=12.	ξ=13.	η.
-3·0	·0064	·0129	·0193	·0257	·0320	·0384	·0447	·0509	·0571	·0633	·0695	·0754	·0813	-3·0
1	63	127	190	253	315	378	440	501	562	623	684	742	800	1
2	62	125	187	249	310	372	433	493	553	613	673	730	787	2
3	61	123	184	245	305	366	426	485	543	602	662	718	774	3
4	60	121	181	241	300	360	418	477	534	592	651	705	761	4
5	59	118	178	237	295	354	411	468	525	582	639	693	747	5
6	58	116	175	232	290	348	404	460	516	572	628	681	734	6
7	57	114	172	228	285	342	397	452	506	561	617	669	721	7
8	56	112	169	224	280	336	390	444	497	551	605	656	708	8
-3·9	55	110	166	220	275	330	383	436	488	541	594	644	695	-3·9
-4·0	·0054	·0108	·0163	·0216	·0270	·0324	·0376	·0428	·0479	·0531	·0583	·0632	·0681	-4·0
1	53	106	160	212	265	318	369	420	470	521	572	620	668	1
2	52	104	157	208	259	312	362	412	461	511	561	608	655	2
3	51	102	153	204	254	306	355	404	452	501	550	596	642	3
4	50	100	150	200	249	300	347	395	443	491	539	584	629	4
5	49	98	147	196	244	294	340	387	433	480	527	572	615	5
6	48	96	144	191	239	287	333	379	424	470	516	559	602	6
7	47	94	141	187	234	281	326	371	415	460	505	547	589	7
8	46	92	138	183	229	275	319	363	406	450	494	535	576	8
-4·9	45	90	135	179	224	269	312	355	397	440	483	523	563	-4·9
-5·0	·0044	·0088	·0132	·0175	·0219	·0263	·0305	·0347	·0388	·0430	·0472	·0511	·0550	-5·0
1	43	86	129	171	214	257	298	339	379	420	461	499	537	1
2	42	84	126	167	209	251	291	331	370	410	450	487	524	2
3	40	82	123	163	204	245	284	323	361	400	439	475	511	3
4	39	80	120	159	199	239	277	315	352	390	428	463	498	4
5	38	78	117	155	194	232	270	307	343	380	416	451	485	5
6	37	76	114	151	189	226	263	299	334	369	405	438	471	6
7	36	74	111	147	184	220	256	291	325	359	394	426	458	7
8	35	72	108	143	179	214	249	283	316	349	383	414	445	8
-5·9	34	70	105	139	174	208	242	275	307	339	372	402	432	-5·9
-6·0	·0033	·0068	·0102	·0135	·0169	·0202	·0235	·0267	·0298	·0329	·0361	·0390	·0419	-6·0
1	32	66	99	131	164	196	228	259	289	319	350	378	406	1
2	31	64	96	127	159	190	221	251	280	309	339	366	393	2
3	30	62	93	123	154	184	214	243	271	299	328	354	380	3
4	29	60	90	119	149	178	206	235	262	289	317	342	367	4
5	28	58	87	115	143	172	199	226	252	279	305	330	353	5
6	27	56	84	111	138	166	192	218	243	268	294	317	340	6
7	26	54	81	107	133	160	185	210	234	258	283	305	327	7
8	25	52	78	103	128	154	178	202	225	248	272	293	314	8
-6·9	24	50	75	99	123	148	171	194	216	238	261	281	301	-6·9
-7·0	·0023	·0048	·0072	·0095	·0118	·0142	·0164	·0186	·0207	·0228	·0250	·0269	·0288	-7·0
1	22	46	69	91	113	136	157	178	198	218	239	257	275	1
2	21	44	66	87	108	130	150	170	189	208	228	245	262	2
3	20	42	63	83	103	124	143	162	180	198	217	233	248	3
4	19	40	60	79	98	118	136	154	171	188	206	221	235	4
5	18	38	57	75	93	112	129	145	162	178	194	208	222	5
6	17	36	54	71	88	105	122	137	153	168	183	196	209	6
7	16	34	51	67	83	99	115	129	144	158	172	184	196	7
8	15	32	48	63	78	93	108	121	135	148	161	172	183	8
-7·9	14	30	45	59	73	87	101	113	126	138	150	160	170	-7·9
-8·0	·0013	·0028	·0042	·0055	·0068	·0081	·0094	·0105	·0117	·0128	·0139	·0148	·0157	-8·0
1	12	26	39	51	63	75	87	97	108	118	128	136	144	1
2	11	24	36	47	58	69	80	89	99	108	117	124	131	2
3	10	22	33	43	53	63	73	81	90	98	106	112	118	3
4	9	20	30	39	48	57	66	73	80	88	95	100	105	4
5	8	17	27	35	43	51	58	65	71	78	83	87	92	5
6	7	15	23	30	38	45	51	57	62	67	72	75	78	6
7	6	13	20	26	33	39	44	49	53	57	61	63	65	7
8	5	11	17	22	28	33	37	41	44	47	50	51	52	8
-8·9	4	9	14	18	23	27	30	33	35	37	39	39	39	-8·9
-9·0	·0003	·0007	·0011	·0014	·0018	·0021	·0023	·0025	·0026	·0027	·0028	·0027	·0026	-9·0

TABLE XVI.—For D = +31°.

And η = −3·0 to η = 0·0. $X = \xi + \frac{1}{7}\xi + \frac{1}{50}\xi$ + following table.

η.	$\xi=1$.	$\xi=2$.	$\xi=3$.	$\xi=4$.	$\xi=5$.	$\xi=6$.	$\xi=7$.	$\xi=8$.	$\xi=9$.	$\xi=10$.	$\xi=11$.	$\xi=12$.	$\xi=13$.	η.
0·0	·0037	·0076	·0113	·0151	·0188	·0225	·0261	·0296	·0332	·0366	·0400	·0433	·0467	0·0
−0·1	36	74	110	147	183	219	254	288	323	356	389	421	454	−0·1
2	35	72	107	143	178	213	247	280	314	346	378	409	441	2
3	34	70	104	139	173	207	239	272	304	336	367	396	427	3
4	33	68	101	135	168	200	232	264	295	325	355	384	414	4
5	32	66	98	131	163	194	224	256	286	315	344	372	401	5
6	31	63	94	126	157	188	217	247	277	305	333	360	387	6
7	30	61	91	122	152	182	210	239	267	295	322	347	374	7
8	29	59	88	118	147	175	203	231	258	284	310	335	361	8
−0·9	28	57	85	114	142	169	196	223	249	274	299	323	347	−0·9
−1·0	·0027	·0055	·0082	·0110	·0137	·0163	·0189	·0215	·0240	·0264	·0288	·0311	·0334	−1·0
1	26	53	79	106	132	157	182	207	231	254	277	299	321	1
2	25	51	76	102	127	151	175	199	222	244	266	287	308	2
3	24	49	73	98	122	145	168	191	213	234	255	274	295	3
4	23	47	70	94	117	139	161	183	204	224	243	262	281	4
5	22	45	67	90	112	133	153	175	195	214	232	250	268	5
6	21	43	64	85	106	126	146	166	185	203	221	238	255	6
7	20	41	61	81	101	120	139	158	176	193	210	225	242	7
8	19	39	58	77	96	114	132	150	167	183	198	213	228	8
−1·9	18	37	55	73	91	108	125	142	158	173	187	201	215	−1·9
−2·0	·0017	·0035	·0052	·0069	·0086	·0102	·0118	·0134	·0149	·0163	·0176	·0189	·0202	−2·0
1	16	33	49	65	81	96	111	126	140	153	165	177	189	1
2	15	31	46	61	76	90	104	118	131	143	154	165	176	2
3	14	29	43	57	71	84	97	110	122	133	143	153	163	3
4	13	27	40	53	65	78	90	101	113	123	132	140	149	4
5	12	25	37	49	60	72	82	93	104	112	121	128	136	5
6	11	23	33	44	55	65	75	85	94	102	109	116	123	6
7	10	21	30	40	50	59	68	77	85	92	98	104	109	7
8	9	19	27	36	44	53	61	68	76	82	87	92	96	8
−2·9	8	17	24	32	39	47	54	60	67	72	76	79	83	−2·9
−3·0	·0007	·0015	·0021	·0028	·0034	·0041	·0047	·0052	·0058	·0062	·0065	·0067	·0070	−3·0

TABLE XVII.—For D = +31°.

And η = 0·0 to η = +5·0. $X = \xi + \frac{1}{6}\xi$ + following table.

η.	ξ=1.	ξ=2.	ξ=3.	ξ=4.	ξ=5.	ξ=6.	ξ=7.	ξ=8.	ξ=9.	ξ=10.	ξ=11.	ξ=12.	ξ=13.	η.
+5·0	·0051	·0102	·0152	·0202	·0252	·0303	·0352	·0402	·0450	·0497	·0545	·0591	·0636	+5·0
+4·9	50	100	149	198	247	297	345	394	441	487	534	579	623	+4·9
8	49	98	146	194	242	291	338	385	432	477	522	566	609	8
7	48	96	143	190	237	284	330	377	422	466	511	554	596	7
6	47	94	140	186	232	278	323	369	413	456	500	541	583	6
5	45	91	137	181	226	272	316	361	404	446	488	529	569	5
4	44	89	133	177	221	266	309	353	394	436	477	517	556	4
3	43	87	130	173	216	259	301	344	385	425	466	504	543	3
2	42	85	127	169	211	253	294	336	375	415	454	492	529	2
1	41	83	124	165	206	247	287	328	366	405	443	479	516	1
+4·0	·0040	·0081	·0121	·0161	·0201	·0241	·0280	·0320	·0357	·0395	·0432	·0467	·0503	+4·0
+3·9	39	79	118	157	195	235	273	312	348	385	421	455	490	+3·9
8	38	77	115	153	190	229	266	304	339	375	409	443	476	8
7	37	75	112	149	185	223	258	295	329	364	398	431	463	7
6	36	73	109	145	180	217	251	287	320	354	387	418	449	6
5	35	71	106	141	175	211	244	279	311	344	375	406	436	5
4	34	69	103	136	170	204	237	271	302	333	364	394	423	4
3	33	67	100	132	164	198	229	262	292	323	353	382	409	3
2	32	65	97	128	159	192	222	254	283	312	341	369	396	2
1	31	63	94	124	154	186	215	246	274	302	330	357	382	1
+3·0	·0030	·0061	·0091	·0120	·0149	·0180	·0208	·0238	·0265	·0292	·0319	·0345	·0369	+3·0
+2·9	29	59	88	116	144	174	201	230	256	282	308	333	356	+2·9
8	28	57	85	112	139	168	194	222	247	272	297	320	343	8
7	27	55	82	108	134	161	187	213	238	261	285	308	329	7
6	26	53	79	104	129	155	180	205	228	251	274	296	316	6
5	25	50	75	100	123	149	172	197	219	241	263	283	303	5
4	24	48	72	95	118	143	165	189	210	230	252	271	289	4
3	23	46	69	91	113	136	158	180	201	220	240	259	276	3
2	22	44	66	87	108	130	151	172	191	210	229	246	263	2
1	21	42	63	83	103	124	144	164	182	199	218	234	249	1
+2·0	·0020	·0040	·0060	·0079	·0098	·0118	·0137	·0156	·0173	·0189	·0207	·0222	·0236	+2·0
+1·9	19	38	57	75	93	112	130	148	164	179	196	210	223	+1·9
8	18	36	54	71	88	106	123	140	155	169	184	197	209	8
7	17	34	51	67	83	100	115	131	146	158	173	185	196	7
6	16	32	48	63	78	94	108	123	136	148	161	173	183	6
5	15	30	45	58	72	88	101	115	127	138	150	160	169	5
4	14	28	41	54	67.	81	94	107	118	128	139	148	156	4
3	13	26	38	50	62	75	87	99	109	118	128	136	43	3
2	12	24	35	46	57	69	79	90	99	107	116	123	29	2
1	11	22	32	42	52	63	72	82	90	97	105	111	16	1
+1·0	·0010	·0020	·0029	·0038	·0047	·0057	·0065	·0074	·0081	·0087	·0094	·0099	·0103	+1·0
+0·9	9	18	26	34	42	51	58	66	72	77	83	87	90	+0·9
8	8	16	23	30	37	45	51	58	63	67	72	74	77	8
7	7	14	20	26	32	39	44	50	53	57	61	62	64	7
6	6	12	17	22	27	33	37	41	44	47	50	50	50	6
5	5	10	14	18	22	27	30	33	35	37	39	37	37	5
4	4	8	11	14	17	21	23	25	26	26	28	25	24	4
3	3	6	8	10	12	14	16	17	17	16	16	13	11	3
2	2	4	5	6	7	8	8	8	·0007	·0006	·0004	0000	*·0003*	2
+0·1	1	2	2	2	·0002	·0002	·0001	0000	*·0002*	*·0005*	*·0007*	*·0012*	*·0016*	+0·1
0·0	*·0001*	·0000	*·0001*	*·0002*	*·0003*	*·0004*	*·0006*	*·0008*	*·0011*	*·0015*	*·0018*	*·0024*	*·0029*	0·0

TABLE XVIII.—For D = +31°.

And η = +5·0 to +10·0. $X = \xi + \frac{1}{6}\xi + \frac{1}{200}\xi$ + following table.

η.	ξ=1.	ξ=2.	ξ=3.	ξ=4.	ξ=5.	ξ=6.	ξ=7.	ξ=8.	ξ=9.	ξ=10.	ξ=11.	ξ=12.	ξ=13.	η.
+10·0	·0052	·0105	·0157	·0209	·0260	·0312	·0363	·0415	·0464	·0513	·0562	·0611	·0658	+10·0
+ 9·9	51	103	154	205	255	306	356	407	455	503	551	598	644	+ 9·9
8	50	101	151	201	250	300	349	399	445	492	539	586	631	8
7	49	99	148	197	245	294	341	390	436	482	528	573	617	7
6	48	97	145	193	239	288	334	382	427	472	516	561	604	6
5	47	95	141	188	234	281	327	374	417	461	505	548	590	5
4	46	93	138	184	229	275	320	365	408	451	494	536	577	4
3	45	91	135	180	224	269	312	357	399	441	482	523	563	3
2	44	89	132	176	218	263	305	349	390	430	471	511	550	2
1	43	87	129	172	213	257	298	340	380	420	459	498	536	1
+ 9·0	·0042	·0085	·0126	·0168	·0208	·0251	·0291	·0332	·0371	·0410	·0448	·0486	·0523	+ 9·0
+ 8·9	41	83	123	164	203	245	284	324	362	400	437	474	509	+ 8·9
8	40	81	120	160	198	239	276	316	352	390	425	461	496	8
7	39	79	117	156	193	232	269	307	343	379	414	449	482	7
6	38	77	114	151	188	226	262	299	334	369	403	436	469	6
5	37	74	111	147	182	219	254	290	324	359	391	424	455	5
4	36	72	107	143	177	213	247	282	315	348	380	412	442	4
3	35	70	104	139	172	207	240	274	306	338	369	399	428	3
2	34	68	101	134	167	200	233	265	297	328	357	387	415	2
1	33	66	98	130	162	194	225	257	287	317	346	374	401	1
+ 8·0	·0032	·0064	·0095	·0126	·0157	·0188	·0218	·0249	·0278	·0307	·0335	·0362	·0388	+ 8·0
+ 7·9	31	62	92	122	152	182	211	241	269	297	324	350	375	+ 7·9
8	30	60	89	118	147	176	204	233	259	286	312	337	362	8
7	29	58	86	114	141	169	196	225	250	276	301	325	348	7
6	28	56	83	110	136	163	189	216	241	265	290	312	335	6
5	26	53	79	106	131	157	182	208	231	255	278	300	321	5
4	25	51	76	101	126	151	175	200	222	245	267	288	308	4
3	24	49	73	97	120	144	168	192	213	234	256	275	294	3
2	23	47	70	93	115	138	160	183	204	224	244	263	281	2
1	22	45	67	89	110	132	153	175	194	213	233	250	267	1
+ 7·0	·0021	·0043	·0064	·0085	·0105	·0126	·0146	·0167	·0185	·0203	·0222	·0238	·0254	+ 7·0
+ 6·9	20	41	61	81	100	120	139	158	176	193	210	226	240	+ 6·9
8	19	39	58	77	95	114	132	150	167	183	199	213	227	8
7	18	37	55	72	90	107	124	141	157	172	187	201	214	7
6	17	35	52	68	84	101	117	133	148	162	176	188	200	6
5	16	33	48	64	79	95	110	125	139	152	164	176	187	5
4	15	31	45	60	74	89	103	117	129	141	152	163	173	4
3	14	29	42	56	69	82	96	109	120	131	141	151	160	3
2	13	27	39	51	63	76	88	101	111	120	130	139	147	2
1	12	25	36	47	58	70	81	92	101	110	119	126	133	1
+ 6·0	·0011	·0023	·0033	·0043	·0053	·0064	·0074	·0084	·0092	·0100	·0108	·0114	·0120	+ 6·0
+ 5·9	10	21	30	39	48	58	67	76	83	90	97	102	107	+ 5·9
8	9	19	27	35	43	52	60	68	74	80	86	90	94	8
7	8	17	24	31	38	46	52	60	65	69	74	77	80	7
6	7	14	20	26	33	40	45	51	55	59	63	65	67	6
5	6	12	17	22	28	34	38	43	46	49	51	53	53	5
4	5	10	14	18	22	27	31	35	37	38	40	40	40	4
3	4	8	11	14	17	21	23	27	27	28	28	28	27	3
2	3	6	8	10	12	15	16	18	18	18	17	16	13	2
1	2	4	5	6	7	9	9	10	9	7	5	3	0	1
+ 5·0	·0001	·0002	·0002	·0002	·0002	·0003	·0002	·0002	·0000	*·0003*	*·0006*	*·0009*	*·0014*	+ 5·0

TABLE XIX.—For D = +31°.

And η = +10·0 to η = +13·0. $X = \xi + \frac{1}{6}\xi + \frac{1}{100}\xi$ + following table.

η.	ξ=1.	ξ=2.	ξ=3.	ξ=4.	ξ=5.	ξ=6.	ξ=7.	ξ=8.	ξ=9.	ξ=10.	ξ=11.	ξ=12.	ξ=13.	η.
+13·0	·0033	·0067	·0101	·0134	·0167	·0200	·0232	·0264	·0295	·0326	·0356	·0385	·0413	+13·0
+12·9	32	65	98	130	161	193	225	256	286	315	345	372	399	+12·9
8	31	63	94	126	156	187	218	248	276	305	334	360	386	8
7	30	61	91	122	151	181	210	240	267	295	322	347	372	7
6	29	59	88	117	146	175	203	231	258	284	310	335	359	6
5	28	57	85	113	140	168	196	223	249	274	298	322	345	5
4	27	55	82	109	135	162	188	215	239	263	287	310	332	4
3	26	53	79	105	130	156	181	207	230	253	276	297	318	3
2	25	51	76	101	124	149	174	198	221	243	264	285	305	2
1	24	49	73	96	119	143	166	190	211	232	253	272	291	1
+12·0	·0023	·0047	·0070	·0092	·0114	·0137	·0159	·0182	·0202	·0222	·0241	·0260	·0278	+12·0
+11·9	22	45	67	88	109	131	152	173	193	212	230	247	265	+11·9
8	21	43	64	84	104	125	144	165	183	201	218	235	251	8
7	20	40	60	80	99	118	136	157	174	191	207	222	237	7
6	19	38	57	76	94	111	129	148	165	180	195	210	224	6
5	18	36	54	71	88	106	123	140	155	170	184	197	210	5
4	17	34	51	67	83	100	116	132	146	160	172	185	197	4
3	16	32	48	63	78	94	108	123	136	149	161	172	183	3
2	15	30	45	59	72	87	100	115	127	139	150	160	169	2
1	14	28	41	54	67	81	93	107	117	129	138	147	156	1
+11·0	·0013	·0026	·0038	·0050	·0062	·0075	·0086	·0098	·0108	·0118	·0127	·0135	·0142	+11·0
+10·9	12	24	35	46	57	68	79	90	98	108	115	123	129	+10·9
8	11	22	32	42	52	62	71	82	89	97	104	111	116	8
7	10	20	29	38	47	56	64	74	79	87	92	99	102	7
6	9	17	26	34	41	50	57	65	70	76	81	86	89	6
5	8	15	23	30	36	44	49	56	61	66	69	74	75	5
4	7	13	20	25	31	37	42	48	51	55	58	61	62	4
3	6	11	17	21	26	31	35	40	42	45	46	48	48	3
2	4	9	13	17	20	25	27	31	33	34	35	36	35	2
1	3	7	10	13	15	18	20	23	23	24	23	23	21	1
+10·0	·0002	·0005	·0007	·0009	·0010	·0012	·0013	·0015	·0014	·0013	·0012	·0011	·0008	+10·0

OXFORD ASTROGRAPHIC CATALOGUE, 1900.

ZONE + 31°.

MEASURES OF

RECTANGULAR CO-ORDINATES AND DIAMETERS

OF STAR IMAGES ON PHOTOGRAPHS

TAKEN AT THE UNIVERSITY OBSERVATORY, OXFORD.

NOTES.

Headings.—The *Plate Number* given at the head of each plate shows the order in the series taken with the Astrographic Equatorial. The approximate centre and the date of exposure are also given; other particulars will be found in a table in the Introduction.

The *Provisional Constants* are approximate only. They are derived from a comparison of the measures with the printed meridian places for 1875·0, given in the Catalogues of the *Astronomische Gesellschaft*, brought up to 1900·0; and are thus affected with errors due to proper motion, as well as magnitude-equation, etc. The reference stars are being re-observed at Greenwich, and more accurate formulæ will be derived in the future. Meanwhile the Provisional Constants allow of the deduction of places in R.A. and Dec. from the recorded measures, which should be accurate within 1″ or 1″·5. The necessary processes are: first form the "standard co-ordinates" ξ and η from the formulæ

$$\xi = x - 13 - \mathrm{A}x - \mathrm{B}y - \mathrm{C}$$
$$\eta = y - 13 - \mathrm{D}x - \mathrm{E}y - \mathrm{F}$$

and then by means of the tables in the Introduction deduce the R.A. and Dec. from ξ and η.

The *Formula for Magnitudes* is derived from a discussion of the brighter stars on the plate, and may not be very near the truth for the fainter stars: see *Monthly Notices R.A.S.*, Vol. LXV. p. 755. The diameter d is expressed in units of 0″·3, and is thus numerically one-half of the corresponding d for the Greenwich measures.

Columns.—The *Reference Number* given in the first column is a purely arbitrary number for identification only. To avoid the inconvenience of altering all subsequent numbers when an accidentally omitted star is inserted, a new century is commenced for each plate; so that, for instance, the numbers from 264 to 300 are vacant. Since the same star occurs on two plates at least, it has at least two reference numbers; and with each number must be given also the Zone (or declination of plate centre) +31°, +30°, etc. This method of numeration has been rendered familiar by the *Bonn Durchmusterung*.

When a star occurs in one of the Catalogues of the *Astronomische Gesellschaft*, an asterisk is placed against the reference number; but these asterisks have been inserted from the list of stars for which standard co-ordinates were calculated. As the actual plate centre differs a little from the theoretical, some stars are measured which would not theoretically be on the plate, and the asterisk may therefore not have been inserted. Generally speaking, if a star image is within 5′ of the border of the plate, its occurrence in a Catalogue may have been overlooked; otherwise it has been specially checked.

The *second* column gives the measured diameter d expressed in units of 0″·3. The number set down is the mean of two independent measures (see below).

The *third* and *fourth* columns give the rectangular co-ordinates of the stars, measured with reference to *réseau* lines on each plate, which are numbered from 0 to 26 in direction of increasing R.A. and Dec. respectively, and are approximately $5^{mm.}$ apart, representing 5′ nearly. The majority of the measures (including *all* those in the present volume) were made with *réseau* lines actually $5^{mm}.04$ apart, as the focal length of the telescope is such that 1′ = $1^{mm}.008$ nearly; and the values of the Constants A and E are thus reduced from ·008 to about one-tenth of that value.

The stars are arranged in the order of the x co-ordinate for each *réseau* interval or zone of 5′ in y.

The origin of co-ordinates is a corner of the *réseau*, so that negative signs are avoided. The centre of each plate is at the intersection of the lines numbered 13. The co-ordinates are expressed in units of 1 *réseau* interval, and are given to 3 decimals, the unit in the last place representing 0″·3. The printed numbers are the means of two entirely independent measures, in reversed positions of the plate. Thus for the second star, the first measures were :—

$$d_1 = 17 \qquad x_1 = 5{\cdot}526 \qquad y_1 = 0{\cdot}991.$$

The plate was then rotated through 180° in its plane and measured again. The stars were referred to the opposite corner of the *réseau* and appeared in the reverse order, so that the second star became the last but one, and the figures were now :—

$$d_2 = 20 \qquad x_2 = 20{\cdot}475 \qquad y_2 = 25{\cdot}010.$$

The two values of d are directly comparable; the values of x_2 and y_2 were subtracted from 26·000 by another computer, obtaining

$$x_3 = 5{\cdot}525 \qquad y_3 = 0{\cdot}990;$$

and the means of d_1 and d_2, x_1 and x_3, y_1 and y_3 are then printed as

$$d = 19 \qquad x = 5{\cdot}526 \qquad y = 0{\cdot}990.$$

The differences $x_3 - x_1 = -{\cdot}001$ and $y_3 - y_1 = -{\cdot}001$ are, in this instance, small. When such differences differ from the mean personality by more than ·005, the image is measured again.

R. A. 0h 4m

Plate 2035; 1902 Oct. 21.

Provisional Constants.

A	B	C
−·00036	+·00491	−·0742

D	E	F
−·00455	−·00032	−·4209

Mag. = 16·1 − 1·36 $\sqrt{d}$

No.	d	x	y
1	28	1·954	0·611
2	19	5·526	0·990
3	14	11·733	0·421
4	19	15·650	0·290
5	14	21·704	0·631
6	18	22·916	0·656
7	16	4·538	1·081
8	15	5·429	1·701
9	13	7·440	1·622
10	19	10·736	1·272
11	14	10·832	1·531
12	14	11·143	1·149
13	14	13·314	1·862
14	14	14·656	1·700
15	10	20·156	1·385
16	12	20·281	1·161
17	20	23·990	1·459
18	13	24·425	1·208
19*	20	24·716	1·452
20	25	0·486	2·622
21	25	1·546	2·424
22	13	7·771	2·009
23	18	8·782	2·338
24	10	9·010	2·617
25	14	15·360	2·602
26	10	17·028	2·801
27*	41	17·184	2·063
28	16	23·654	2·390
29	17	25·148	2·651
30	14	3·020	3·814
31	13	3·468	3·571
32	13	8·314	3·628
33	12	15·237	3·700
34	11	15·676	3·280
35	21	15·844	3·660
36	10	17·669	3·598
37	14	18·914	3·315
38	12	22·480	3·420
39	21	1·272	4·280
40	16	2·462	4·697
41	11	4·486	4·370
42	10	6·729	4·521
43	11	7·465	4·126
44	16	15·311	4·592
45	10	19·249	4·414
46	10	21·740	4·641
47	14	22·330	4·249
48	10	22·980	4·350
49	18	24·421	4·649
50	10	24·901	4·370
51	12	25·511	4·796
52	25	1·092	5·150
53	11	4·549	5·126
54	20	7·530	5·405
55	10	14·855	5·820
56*	22	16·635	5·695
57	11	18·881	5·800
58	10	20·333	5·284
59	17	24·486	5·334
60	13	16·360	6·847
61	13	18·581	6·578
62	20	24·507	6·936
63	11	25·491	6·408
64	19	25·859	6·258
65	12	1·151	7·832
66	13	2·930	7·525
67*	34	7·002	7·451
68	10	9·784	7·894
69	13	11·774	7·577
70	11	18·100	7·079
71	14	19·143	7·691
72	14	24·424	7·878
73	18	2·468	8·325
74	19	3·443	8·870
75	12	6·931	8·814
76	19	17·289	8·584
77	19	19·763	8·761
78	21	19·964	8·960
79	18	0·180	9·461
80	13	4·797	9·947
81	10	9·353	9·230
82	14	9·926	9·677
83	18	19·548	9·130
84	20	19·928	9·463
85	10	20·698	9·631
86	18	20·989	9·521
87	10	22·106	9·058
88*	21	22·198	9·560
89	13	22·838	9·880
90	11	2·716	10·839
91	11	8·485	10·490
92	12	9·852	10·770
93*	47	10·086	10·557
94*	47	10·398	10·402
95	22	14·852	10·589
96	21	25·296	10·709
97	10	1·199	11·075
98	10	4·393	11·229
99	11	4·792	11·336
100	14	6·646	11·535
101	12	7·639	11·317
102	11	10·159	11·506
103	19	11·821	11·962
104	10	12·444	11·461
105	16	14·344	11·371
106*	30	15·868	11·228
107	13	22·249	11·366
108	12	23·880	11·400
109	11	25·693	11·788
110	18	1·555	12·830
111	16	3·955	12·111
112	13	4·989	12·508
113	12	6·155	12·546
114	12	10·009	12·153
115	10	18·706	12·932
116	12	20·070	12·923
117	12	22·214	12·108
118	14	24·189	12·786
119	13	24·222	12·711
120	13	24·423	12·895
121	31	0·426	13·414
122	22	1·432	13·960
123	14	2·502	13·965
124	14	2·530	13·446
125*	13	5·537	13·188
126	10	6·236	13·459
127	10	7·666	13·268
128*	40	8·971	13·897
129	15	12·245	13·670
130	12	12·541	13·850
131	14	15·119	13·645
132	14	16·752	13·919
133	12	16·859	13·431
134	13	16·871	13·229
135*	20	21·823	13·069
136	10	22·270	13·329
137	13	5·498	14·030
138	14	8·137	14·520
139	11	8·801	14·168
140	17	11·056	14·432
141	11	12·050	14·250
142	16	14·020	14·422
143	14	14·838	14·762
144	13	18·911	14·720
145	14	22·543	14·798
146	11	25·572	14·455
147	21	2·314	15·850
148	19	3·388	15·944
149	11	6·542	15·822
150	12	7·264	15·291
151	10	9·799	15·030
152	11	20·324	15·326
153	13	25·370	15·507
154	14	25·857	15·910
155	10	4·418	16·320
156	16	5·616	16·166
157	10	5·620	16·806
158	10	7·206	16·377
159	10	9·051	16·529
160	10	11·771	16·327
161	10	12·953	16·571
162	13	15·564	16·984
163	13	16·106	16·109
164	10	19·374	16·923
165	11	20·955	16·611
166	14	22·561	16·966
167	10	22·884	16·088
168	15	0·347	17·257
169*	25	0·420	17·720
170	13	0·708	17·400
171	14	4·120	17·274
172	11	4·206	17·334
173	20	6·714	17·764
174*	30	8·912	17·971
175	14	9·156	17·343
176	12	11·935	17·294
177	14	14·142	17·105
178	10	14·541	17·895
179	15	16·151	17·160
180	10	18·356	17·705
181	10	24·674	17·638
182	12	5·117	18·638
183	10	8·558	18·772
184	14	10·062	18·275
185	10	17·625	18·573
186	13	25·951	18·885
187	14	2·481	19·722
188	14	4·460	19·865
189	11	9·866	19·330
190	10	11·580	19·636
191	10	12·143	19·481
192	10	12·460	19·596
193	10	13·668	19·829
194	15	16·945	19·434
195	16	18·956	19·835
196	10	19·084	19·092
197	14	20·434	19·507
198	23	0·663	20·747
199	21	3·387	20·966
200	15	5·724	20·426
201	14	11·523	20·260
202	10	11·595	20·507
203	10	15·720	20·206
204*	18	15·941	20·463
205*	23	17·140	20·734
206	11	18·547	20·126
207	13	20·830	20·128
208	14	21·031	20·660
209*	28	21·491	20·277
210	15	25·992	20·410
211*	57	0·305	21·709
212*	27	4·063	21·299
213	13	6·307	21·450
214	23	6·567	21·496
215	13	9·124	21·550
216	10	9·982	21·675
217	14	15·402	21·316
218	11	16·576	21·893
219	13	19·362	21·450
220	11	22·129	21·830
221	10	22·620	21·401
222	18	0·975	22·692
223	13	6·148	22·636
224	13	8·924	22·258
225	10	10·567	22·147
226	11	13·370	22·915
227	23	14·350	22·531
228	19	17·144	22·818
229	10	19·216	22·860
230	18	19·818	22·950
231	13	20·410	22·202
232*	25	3·274	23·976
233	15	3·401	23·805
234	20	8·958	23·130
235	10	10·189	23·888
236	13	11·077	23·476
237	12	11·520	23·262
238*	20	11·574	23·540
239	13	11·720	23·964
240*	20	13·206	23·581
241	11	14·226	23·898
242	16	17·398	23·230
243	16	17·734	23·109
244	13	23·450	23·629
245	14	25·410	23·442
246	25	0·447	24·348
247	15	3·667	24·092
248*	20	8·475	24·747
249	13	8·682	24·759
250	13	9·866	24·090
251	12	10·974	24·413
252	14	14·119	24·774
253	13	18·621	24·313
254	18	21·913	24·821
255*	40	24·661	24·528
256	33	1·883	25·634
257	14	3·434	25·002
258	14	9·131	25·829
259	14	9·679	25·991
260	13	11·011	25·383
261	13	14·095	25·785
262	23	17·240	25·991
263	20	20·489	25·279

R. A. 0h 13m

Plate 2036; 1902 Oct. 21.

Provisional Constants.

A	B	C
−·00063	+·00563	−·1859

D	E	F
−·00518	−·00061	−·3113

Mag. = 15·6 − 1·36 $\sqrt{d}$

No.	d	x	y
301	17	5·264	0·239
302*	22	5·400	0·387
303	13	6·384	0·859
304*	23	7·541	0·366
305	13	7·637	0·190
306	10	11·273	0·614
307	12	12·010	0·565
308	10	15·795	0·420
309*	13	22·304	0·829
310	12	24·464	0·414
311	28	0·520	1·684
312*	22	1·245	1·664
313*	23	6·888	1·017
314	12	11·789	1·079
315*	22	12·949	1·308
316	11	21·981	1·717
317	18	0·205	2·625
318	17	1·704	2·853
319	13	10·758	2·704
320	10	12·511	2·389
321	13	14·429	2·410
322	10	15·375	2·908
323	17	18·220	2·070
324*	18	20·533	2·677
325	11	21·694	2·559
326	19	6·420	3·736
327	13	6·816	3·394
328*	23	14·120	3·790
329	12	18·233	3·406
330	12	18·438	3·538
331*	13	21·839	3·466
332*	13	24·746	3·860
333	22	1·017	4·863
334	10	4·089	4·567
335	10	8·064	4·726
336*	15	16·990	4·235
337	13	17·110	4·266
338	10	17·624	4·204
339	10	18·889	4·268
340	22	1·100	5·551
341	19	3·280	5·582
342	10	10·970	5·532
343*	23	13·145	5·479
344*	55	18·480	5·169
345*	32	18·760	5·618
346	21	19·292	5·218
347	10	22·805	5·296
348	17	25·278	5·415
349	16	2·489	6·444
350*	23	9·984	6·859
351	11	15·100	6·879
352	10	20·691	6·367
353	12	21·077	6·150
354	25	1·150	7·151
355	12	5·060	7·699
356	19	16·046	7·580

R. A. 0h 22m

Plate 2055; 1902 Nov. 28.

Provisional Constants.

A	B	C
−·00028	+·00273	−·1705
D	**E**	**F**
−·00244	−·00077	+·0123

Mag. = 16·1 − 1·36 $\sqrt{d}$

No.	d	x	y
357	13	1·089	8·094
358	10	5·542	8·677
359	11	7·395	8·698
360	10	12·294	8·862
361	13	15·370	8·536
362	11	16·582	8·581
363	10	17·289	8·580
364	10	17·705	8·029
365	11	18·709	8·649
366	14	24·734	8·247
367*	13	4·967	9·176
368	12	6·572	9·845
369	13	6·604	9·521
370*	32	12·353	9·454
371	12	13·134	9·477
372	12	18·309	9·920
373	12	22·480	9·368
374	13	25·980	9·919
375	27	2·019	10·908
376	10	12·830	10·821
377	12	23·286	10·985
378	13	0·619	11·626
379	10	7·554	11·834
380	10	8·458	11·689
381	14	15·086	11·580
382	10	23·616	11·000
383	16	0·985	12·930
384	13	4·487	12·532
385*	35	4·950	12·440
386	10	6·200	12·351
387	12	9·942	12·664
388	12	11·118	12·834
389	13	11·770	12·846
390*	57	13·940	12·151
391	11	16·692	12·360
392*	13	17·180	12·879
393	10	19·071	12·484
394	15	0·956	13·006
395	12	1·190	13·111
396	10	5·480	13·289
397	11	12·396	13·686
398	12	12·571	13·430
399	11	16·568	13·901
400	10	17·968	13·930
401	11	20·627	13·755
402	15	3·979	14·282
403	13	4·246	14·770
404	12	16·230	14·286
405	13	25·096	14·416
406	13	2·196	15·700
407	10	7·249	15·471
408	10	8·961	15·311
409	12	9·399	15·619
410	10	12·660	15·892
411	12	18·070	15·050
412	11	19·968	15·796
413	11	24·058	15·527
414	9	2·380	16·194
415	10	2·689	16·095
416*	14	3·906	16·100
417	12	7·480	16·004
418	13	15·077	16·799
419	12	17·079	16·220
420	13	21·102	16·880
421	10	22·370	16·840
422	13	24·070	16·136
423	10	4·144	17·592
424	11	6·186	17·982
425	10	7·500	17·698
426	11	8·039	17·130
427	12	8·771	17·996
428	10	14·350	17·766
429	12	14·794	17·960
430	17	16·196	17·700
431	10	17·359	17·558
432	12	19·098	17·075
433	10	19·146	17·814
434*	22	3·745	18·901
435	15	10·422	18·879
436	11	10·476	18·624
437	10	16·636	18·018
438	11	19·026	18·492
439	14	25·471	18·687
440	12	3·820	19·566
441	10	18·120	19·422
442	13	19·091	19·828
443	14	19·989	19·718
444	12	21·553	19·303
445	10	24·736	19·137
446	12	25·672	19·648
447	17	2·920	20·589
448	13	14·437	20·980
449	11	16·438	20·950
450	10	18·462	20·751
451	10	19·155	20·960
452	13	19·162	20·127
453	10	23·415	20·946
454	13	23·856	20·120
455	12	24·000	20·254
456	22	25·380	20·030
457	11	25·778	20·027
458	11	4·311	21·890
459	10	7·695	21·352
460	10	11·650	21·848
461	10	15·449	21·030
462	20	17·046	21·148
463	10	17·630	21·238
464	10	19·608	21·411
465	12	21·837	21·881
466	10	22·797	21·618
467	22	3·708	22·472
468	13	5·350	22·603
469	10	5·988	22·186
470	10	6·430	22·593
471	11	6·877	22·698
472	14	10·521	22·019
473*	19	15·112	22·526
474	13	15·825	22·077
475	12	16·568	22·180
476	10	18·494	22·453
477	11	2·401	23·633
478	23	4·052	23·295
479	15	9·454	23·380
480	12	10·845	23·978
481	11	17·940	23·932
482	12	21·138	23·194
483*	40	1·670	24·735
484	14	6·980	24·291
485	11	10·918	24·420
486	11	12·085	24·175
487	9	14·539	24·604
488	13	16·173	24·916
489*	22	18·770	24·270
490	10	20·697	24·813
491	13	23·513	24·830
492	11	24·792	24·003
493	22	25·880	24·349
494	23	6·255	25·231
495	13	11·995	25·834
501	12	9·045	0·008
502*	12	11·730	0·071
503	10	12·376	0·735
504*	20	14·898	0·205
505	12	21·804	0·695
506*	29	24·965	0·647
507	17	25·291	0·920
508	12	5·381	1·199
509	21	7·781	1·852
510*	13	11·596	1·295
511*	16	18·426	1·525
512*	20	18·430	1·547
513	11	18·911	1·288
514	14	24·015	1·840
515	21	2·720	2·827
516	23	3·214	2·030
517	18	4·634	2·175
518*	30	5·876	2·058
519*	23	6·239	2·592
520*	23	12·870	2·579
521	11	14·992	2·182
522	8	15·832	2·528
523	9	17·225	2·381
524*	13	19·146	2·078
525	10	12·102	3·739
526	9	12·443	3·166
527	8	14·611	3·186
528	18	15·012	3·525
529*	30	18·272	3·150
530	11	19·692	3·985
531	9	19·779	3·798
532*	21	1·444	4·302
533	11	12·266	4·694
534	9	12·386	4·226
535	9	16·433	4·246
536	8	17·670	4·624
537	10	23·636	4·639
538	11	24·459	4·759
539	29	2·004	5·845
540*	15	8·109	5·000
541	9	10·055	5·059
542*	31	12·071	5·893
543	8	12·288	5·550
544*	32	13·170	5·054
545	8	17·990	5·826
546	9	21·412	5·984
547	10	6·657	6·881
548	12	6·755	6·091
549	10	17·390	6·440
550	10	23·686	6·450
551	14	9·324	7·086
552	12	15·097	7·396
553	8	19·042	7·219
554	8	20·180	7·131
555	20	1·509	8·688
556*	38	4·613	8·633
557	9	5·848	8·973
558*	36	12·505	8·459
559	20	13·662	8·902
560	10	18·181	8·495
561	12	18·285	8·060
562	8	19·023	8·060
563	22	2·946	9·228
564*	31	9·575	9·906
565	10	10·075	9·036
566	9	19·160	9·460
567	20	21·287	9·909
568	16	2·781	10·338
569*	53	6·185	10·835
570	11	11·220	10·781
571*	31	13·670	10·143
572	8	23·862	10·750
573	21	0·106	11·451
574	12	0·436	11·457
575*	22	5·625	11·172
576	10	6·475	11·205
577	13	15·107	11·630
578	10	15·526	11·198
579	13	20·414	11·181
580	9	21·581	11·774
581	17	23·663	11·127
582	9	9·717	12·363
583	8	10·176	12·754
584	10	12·833	12·600
585	10	15·526	12·159
586	8	17·250	12·853
587	9	21·623	12·469
588	12	13·844	13·975
589	12	18·527	13·856
590*	24	20·289	13·542
591	15	22·660	13·546
592	8	22·871	13·345
593	20	1·975	14·852
594	10	12·500	14·044
595	11	25·263	14·315
596	16	0·956	15·980
597*	21	4·131	15·291
598	10	4·632	15·826
599	11	10·264	15·498
600	12	11·850	15·442
601	11	15·522	15·659
602	10	16·290	15·578
603	23	16·495	15·903
604	10	21·310	15·826
605	12	21·715	15·346
606*	24	24·104	15·504
607	22	24·871	15·995
608	9	24·900	15·658
609	10	25·576	15·491
610	18	0·975	16·587
611*	35	3·042	16·585
612	11	5·300	16·465
613	8	7·478	16·565
614	8	11·804	16·930
615	10	12·404	16·320
616*	20	13·825	16·830
617	20	16·964	16·969
618	11	17·050	16·818
619	16	18·046	16·445
620	10	18·571	16·981
621	13	20·259	16·316
622	8	22·490	16·297
623	14	4·049	17·854
624	18	8·654	17·806
625	8	9·127	17·088
626	11	9·977	17·822
627	12	13·933	17·012
628	8	14·373	17·185
629	8	22·434	17·091
630	8	22·886	17·907
631	8	23·197	17·723
632	10	4·613	18·865
633	20	7·282	18·204
634	9	8·521	18·437
635	8	9·581	18·709
636	15	10·542	18·200
637	11	12·951	18·716
638	10	13·048	18·819
639	20	21·545	18·963
640	10	23·810	18·219
641	22	2·424	19·115
642	12	4·614	19·029
643	8	4·836	19·360
644	9	14·852	19·515
645	8	17·578	19·809
646	8	19·564	19·267
647	12	20·202	19·362
648	8	20·347	19·084
649	9	21·054	19·990
650*	40	21·494	19·993
651	12	0·833	20·575
652	22	0·976	20·706
653	35	2·355	20·456
654	16	2·641	20·071
655	30	3·405	20·948
656	10	19·560	20·046
657*	40	21·044	20·475
658	10	5·679	21·026
659	8	7·396	21·146
660*	30	10·376	21·291
661	9	21·133	21·005
662	11	8·741	22·171
663	10	10·072	22·502
664	8	11·190	22·745
665	11	12·604	22·075
666	10	23·137	22·026
667	9	23·655	22·551
668	11	23·816	22·284
669	12	5·757	23·178
670	12	7·104	23·673
671	11	7·388	23·841
672	22	7·906	23·929
673	10	9·981	23·011
674	10	10·733	23·914
675	8	15·769	23·714
676*	50	15·941	23·585
677	9	18·425	23·653
678	10	19·443	23·154
679	23	2·929	24·768
680*	25	7·917	24·385
681	22	7·921	24·369
682	12	14·682	24·976
683	8	15·377	24·149
684	13	20·946	24·827
685	12	21·772	24·072
686	19	24·466	24·591
687	22	3·579	25·970
688	11	13·016	25·790
689	8	15·661	25·924
690	16	25·526	25·106

R. A. 0^h 31^m

Plate 2037 ; 1902 Nov. 7.

Provisional Constants.

A	B	C
−·00021	+·00063	−·1103

D	E	F
−·00050	−·00075	−·4980

$Mag. = 16{\cdot}1 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
701*	40	1·638	0·186
702	22	1·971	0·453
703	13	9·644	0·803
704	13	10·288	0·196
705	11	10·615	0·722
706	13	12·170	0·295
707	13	13·538	0·700
708	12	14·200	0·151
709*	22	15·260	0·096
710	10	15·361	0·457
711	22	16·786	0·000
712	13	19·916	0·138
713	22	0·710	1·395
714*	22	11·180	1·609
715*	25	12·930	1·035
716	11	14·068	1·227
717	10	15·389	1·551
718	13	18·914	1·455
719	12	19·282	1·294
720	11	19·468	1·543
721	12	19·515	1·746
722	16	22·877	1·487
723	19	10·183	2·470
724	10	10 678	2·333
725	12	16·209	2·583
726	10	17·495	2·370
727	10	18·735	2·139
728	10	21·490	2·427
729	12	24·459	2·369
730	14	3·372	3·977
731	13	7·061	3·364
732	13	7·607	3·229
733	10	8·265	3·595
734	13	9·090	3·064
735	14	11·630	3·312
736	12	12·581	3·076
737	11	19·151	3·168
738	11	19·730	3·753
739	11	20·410	3·543
740	19	25·060	3·400
741	18	1·208	4·310
742	22	2·982	4·450
743	13	8·851	4·551
744	11	9·651	4·450
745	11	11·494	4·067
746	10	12·750	4·209
747*	23	13·110	4·910
748	13	13·950	4·120
749	13	14·764	4·545
750	13	15·560	4·126
751	13	15·604	4 563
752	12	16·267	4·100
753	10	18·970	4·280
754*	77	20·607	4·279
755	13	22·139	4·279
756	11	6·436	5·564
757	10	6·844	5·601
758	12	7·799	5·861
759*	18	19·990	5·750
760	10	24·225	5·080
761	21	0·465	6·009
762	13	2·392	6·124
763	10	6·489	6·016
764	10	7·879	6·664
765	14	8·826	6·892
766	12	9·617	6·900
767*	31	19·333	6·156
768	11	19·588	6·961
769	11	20·724	6·504
770	10	22·171	6·417
771	13	24·777	6·669
772	11	25·366	6·417
773	23	25·692	6·377
774	13	2·414	7·929
775	22	2·993	7·273
776	12	11·585	7·406
777	10	14·944	7·226
778	13	16·280	7·900
779	22	17·870	7·277
780*	42	24·562	7·341
781	22	4·213	8·616
782	12	7·143	8·824
783	10	18·984	8·824
784	13	25·339	8·524
785	11	2·829	9·668
786	12	5·373	9·375
787	11	6·444	9·486
788	12	7·940	9·550
789	19	17·150	9·976
790	10	18·515	9·444
791	10	20·074	9·848
792	10	23·233	9·020
793	13	23·387	9·244
794	11	25·194	9·270
795	12	25·474	9·772
796	21	0·527	10·689
797	12	0·720	10·307
798	13	9·811	10·785
799	12	12·370	10·639
800	13	13·095	10·931
801	19	15·198	10·914
802	12	16·260	10·678
803	11	17·100	10·778
804	12	17·585	10·110
805	13	18·731	10·816
806	10	20·520	10·260
807	10	20·864	10·396
808	10	21·323	10·937
809	10	3·794	11·770
810	11	4·039	11·125
811	13	4·133	11·372
812*	43	14·790	11·719
813	12	16·620	11·360
814	10	20·484	11·939
815	13	24·319	11·655
816	10	25·128	11·340
817	15	0·980	12·276
818	21	17·610	12·500
819	13	18·160	12·117
820	19	18·611	12·055
821*	22	23·678	12·721
822	17	2·188	13·844
823	9	3·868	13·662
824	10	4·830	13·351
825*	38	7·409	13·629
826	11	8·051	13·033
827	10	8·228	13·530
828	17	8·610	13·881
829	13	13·551	13·744
830	13	16·113	13·624
831	10	19·595	13·130
832	11	20·353	13·855
833	12	3·715	14·922
834	13	4·127	14·952
835	22	5·591	14·551
836	10	15·313	14·709
837	12	21·539	14·864
838	13	21·891	14·385
839	12	24·033	14·903
840*	26	1·049	15·053
841	23	1·824	15·530
842	13	1·846	15·197
843	13	2·523	15·015
844	14	3·631	15·196
845*	22	6·470	15·535
846	13	7·525	15·480
847	12	16·267	15·150
848	13	18·200	15·380
849*	25	23·299	15·287
850	14	0·565	16·348
851	13	11·547	16·651
852	10	13·838	16·774
853	11	17·988	16·525
854*	29	18·820	16·782
855	10	18·900	16·996
856	10	23·331	16·490
857	12	23·482	16·414
858	11	24·682	16·074
859	17	0·184	17·291
860	14	0·804	17·775
861	11	4·870	17·916
862	10	6·024	17·880
863	10	6·862	17·920
864	13	21·111	17·911
865	10	21·160	17·800
866	13	23·744	17·894
867	22	25·796	17·065
868	23	3·801	18·542
869	12	7·004	18·965
870	10	14·750	18·419
871	10	14·790	18·392
872	11	16·148	18·141
873	13	16·200	18·501
874	12	19·890	18·142
875	10	22·000	18·702
876	13	22·608	18·020
877	17	23·310	18·692
878	11	24·438	18·417
879	18	1·025	19·885
880	12	3·410	19·851
881	14	5·339	19·972
882	10	5·489	19·421
883	13	5·990	19·595
884	10	7·657	19·128
885	12	9·315	19·717
886	10	10·485	19·190
887	22	14·725	19·913
888	12	17·135	19·862
889	10	19·725	19·352
890	13	24·636	19·955
891	14	4·568	20·785
892	10	5·414	20·749
893	11	8·260	20·431
894	9	11·119	20·666
895*	23	11·319	20·670
896	10	12·196	20·278
897	13	12·827	20·431
898	10	13·970	20·137
899	13	14·249	20·139
900*	36	17·070	20·461
901	10	17·204	20·249
902	12	17·370	20·049
903	10	19·104	20·037
904	14	23·510	20·288
905	20	0·201	21·596
906	16	0·886	21·842
907	19	11·200	21·151
908	12	12·418	21·945
909	10	12·679	21·865
910	10	12·971	21·015
911	11	14·000	21·380
912	10	16·692	21·537
913	11	19·924	21·933
914	10	21·037	21·559
915	13	21·509	21·453
916	14	0·729	22·111
917	15	5·306	22·005
918	15	5·932	22·752
919	22	6·821	22·365
920	10	6·942	22·357
921	11	7·205	22·165
922*	26	7·339	22·435
923	10	9·511	22·391
924	10	9·568	22·560
925	11	14·380	22·042
926	12	17·090	22·691
927	10	18·477	22·836
928	10	20·622	22·652
929	10	23·457	22·800
930	13	9·836	23·616
931	14	15·989	23·820
932	10	16·256	23·816
933	10	19·678	23·098
934	13	19·969	23·841
935	11	21·547	23·314
936	22	23·909	23·379
937	24	1·579	24·137
938	23	2·647	24·630
939	22	3·516	24·349
940	10	10·349	24·342
941	10	10·876	24·558
942*	13	11·127	24·999
943	23	17·304	24·830
944	19	6·180	25·636
945	13	7·051	25·882
946	14	11·155	25·978
947	10	14·360	25·541
948*	26	20·888	25·471
949	20	24·020	25·305
950	19	24·396	25·480

R. A. 0^h 40^m

Plate 2054 ; 1902 Nov. 28.

Provisional Constants.

A	B	C
−·00062	+·00263	−·1298

D	E	F
−·00261	−·00052	+·0310

$Mag. = 15{\cdot}9 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
1001	13	5·210	0·356
1002	22	6·400	0·369
1003	10	9·650	0·202
1004	12	9·977	0·103
1005	11	11·136	0·184
1006	13	11·785	0·717
1007	13	12·104	0·411
1008	10	12·361	0·724
1009	10	13·356	0·164
1010	11	15·660	0·196
1011	10	17·418	0·071
1012	11	18·759	0·962
1013*	19	24·255	0·180
1014*	23	11·369	1·770
1015	11	11·540	1·542
1016	13	13·612	1·120
1017	10	19·186	1·641
1018*	15	20·239	1·601
1019	13	20·320	1·890
1020	12	23 855	1·579
1021*	34	4·593	2·081
1022*	22	5·271	2·271
1023	11	10·509	2·089
1024	9	12·579	2·314
1025	10	13·561	2·489
1026*	23	20·264	2·440
1027	13	20·283	2·823
1028	11	21·357	2·339
1029	21	1·722	3·926
1030	13	9·256	3·077
1031	10	10·953	3·542
1032	11	16·774	3·465
1033	10	19·568	3·848
1034	12	21·821	3·197
1035*	19	23·467	3·365
1036	10	24·671	3·966
1037	12	6·688	4·760
1038	10	6·955	4·160
1039	13	13·821	4·490
1040	10	15·060	4·054
1041	10	17·516	4·801
1042	12	18·022	4·878
1043	13	23·809	4·697
1044	13	3·137	5·405
1045	13	7·841	5·249
1046	10	7·950	5·402
1047	10	8·725	5·706
1048*	23	9·717	5·243
1049	10	10·380	5·529
1050	9	14·942	5·841
1051*	38	15·558	5·760
1052*	41	15·680	5·856
1053*	13	20·540	5·217
1054	24	2·420	6·887
1055	21	2·833	6·773
1056	13	5·568	6·570
1057	10	9·790	6·140
1058	10	9·830	6·521
1059	13	13·371	6·217
1060	13	16·262	6·428
1061	11	25·458	6·508
1062*	35	1·310	7·877
1063	14	1·511	7·201
1064	16	3·730	7·906
1065	13	4·383	7·075
1066	14	5·004	7·096
1067	10	7·230	7·570
1068	11	8·570	7·929
1069	11	12·071	7·843
1070	13	12·232	7·877
1071	14	14·361	7·552
1072	14	18·408	7·973
1073	11	19·031	7·388
1074	13	20·534	7·566
1075	10	24·836	7·683
1076	11	25·532	7·726
1077	13	3·401	8·193
1078	10	9·911	8·552
1079	10	10·570	8·104

1080	11	16·308	8·836
1081	10	17·534	8·577
1082	11	18·678	8·497
1083*	22	20·041	8·976
1084	11	20·086	8·076
1085	10	23·290	8·830
1086	10	23·799	8·392
1087	16	0·181	9·805
1088	10	2·115	9·043
1089	10	2·850	9·698
1090	13	4·205	9·000
1091	14	4·590	9·588
1092	13	4·621	9·863
1093	10	7·489	9·394
1094	11	8·562	9·533
1095	13	12·387	9·380
1096	10	18·000	9·420
1097	11	20·560	9·304
1098	10	22·731	9·709
1099	14	2·280	10·290
1100	10	5·424	10·637
1101	13	15·468	10·097
1102	13	15·897	10·762
1103	13	17·770	10·599
1104	13	18·130	10·446
1105	13	20·490	10·554
1106	10	21·514	10·516
1107	10	23·002	10·371
1108	10	23·811	10·146
1109	12	24·370	10·914
1110	10	1·966	11·862
1111	11	3·031	11·585
1112	13	7·272	11·060
1113*	22	10·099	11·220
1114*	24	10·106	11·038
1115	12	16·889	11·904
1116	10	19·848	11·486
1117	10	23·200	11·925
1118	11	25·120	11·142
1119	20	1·166	12·199
1120	14	3·460	12·118
1121	10	3·818	12·079
1122	13	5·165	12·380
1123	10	11·423	12·160
1124	11	17·034	12·711
1125	10	23·165	12·724
1126*	23	24·316	12·921
1127	10	24·462	12·716
1128	11	24·524	12·581
1129	10	25·444	12·138
1130*	22	0·547	13·278
1131	10	4·024	13·939
1132	13	6·288	13·960
1133	12	12·850	13·750
1134	13	14·840	13·499
1135	12	17·293	13·877
1136	14	23·136	13·748
1137	10	24·034	13·829
1138	13	4·750	14·115
1139	13	8·114	14·231
1140	12	10·180	14·717
1141*	23	13·100	14·451
1142	10	17·690	14·736
1143*	23	0·228	15·845
1144	15	0·954	15·451
1145	10	5·763	15·547
1146	13	7·112	15·321
1147*	24	15·204	15·143
1148	14	15·820	15·024
1149	12	22·965	15·689
1150	12	24·606	15·913
1151	14	0·436	16·972
1152	15	3·030	16·201
1153*	22	5·901	16·417
1154	13	7·160	16·324
1155	10	9·119	16·398
1156	10	18·604	16·978
1157	11	22·124	16·470
1158	13	23·513	16·380
1159	11	25·062	16·904
1160	13	25·555	16·637
1161	23	2·942	17·566
1162	23	3·690	17·970
1163	14	4·379	17·274
1164	10	5·037	17·966
1165	10	9·416	17·118
1166	11	19·741	17·559
1167	13	22·104	17·759
1168	12	22·182	17·053
1169	16	0·731	18·448
1170	19	3·804	18·471
1171*	22	8·423	18·178
1172	10	8·970	18·865
1173	10	14·720	18·049
1174	11	14·723	18·022
1175	13	16·296	18·100
1176	11	18·275	18·993
1177	13	21·392	18·898
1178	27	0·313	19·255
1179	10	3·251	19·584
1180*	32	4·756	19·756
1181	10	8·440	19·118
1182	13	10·871	19·955
1183	11	11·020	19·577
1184	11	11·630	19·313
1185	10	12·167	19·916
1186	22	13·243	19·570
1187	13	14·525	19·120
1188	10	15·476	19·079
1189	10	15·867	19·009
1190*	22	16·960	19·348
1191	11	19·440	19·523
1192	11	21·650	19·221
1193	13	22·289	19·874
1194	10	22·855	19·185
1195	10	23·870	19·176
1196	10	24·200	19·363
1197*	22	25·446	19·207
1198	22	0·550	20·844
1199	13	1·668	20·489
1200	10	13·637	20·230
1201	10	15·614	20·150
1202	13	17·542	20·168
1203	10	18·283	20·438
1204	13	3·846	21·125
1205	19	4·104	21·662
1206	15	4·422	21·913
1207	10	12·004	21·787
1208	16	12·830	21·150
1209	10	13·290	21·850
1210	10	16·549	21·062
1211	10	17·320	21·554
1212	10	20·654	21·152
1213*	25	24·278	21·093
1214	13	24·921	21·541
1215	11	4·951	22·249
1216	10	5·979	22·988
1217	10	6·150	22·767
1218	10	8·079	22·138
1219	10	10·632	22·040
1220	10	10·647	22·694
1221*	22	15·190	22·634
1222	13	18·521	22·744
1223	13	21·318	22·650
1224	17	25·220	22·898
1225	20	1·019	23·924
1226	13	15·362	23·376
1227	10	15·599	23 828
1228	10	16·971	23 606
1229	13	17·850	23·936
1230	11	19·800	23·380
1231	12	21·362	23·510
1232	15	4·524	24·725
1233*	15	5·294	24·771
1234	11	7·502	24·949
1235	12	10·594	24·813
1236	10	10·673	24·117
1237	12	12·365	24·360
1238*	22	16·307	24·358
1239	12	20·298	24·246
1240	13	20·939	24·322
1241	10	21·092	24·597
1242	10	21·620	24·701
1243	26	1·175	25·850
1244*	61	4·577	25·790
1245	20	5·517	25·317
1246	13	7·577	25·703
1247	13	13·298	25·596
1248	11	14·040	25·197
1249	13	21·021	25·686

R. A. 0h 49m

Plate 2056 ; 1902 Nov. 28

Provisional Constants.

A	B	C
−·00057	+·00179	+1·4928
D	**E**	**F**
−·00150	−·00045	+·0229

$Mag. = 16{\cdot}2 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
1301*	32	2·485	0·240
1302	22	4·869	0·181
1303	14	9·449	0·830
1304	20	10·757	0·950
1305	19	12·934	0·141
1306	15	13·262	0·725
1307*	31	15·348	0·921
1308	15	17·011	0·241
1309	13	19·275	0·974
1310	13	22·249	0·662
1311	20	2·113	1·648
1312	14	7·665	1·967
1313	13	8·117	1·921
1314*	31	10·061	1·753
1315	14	17·830	1·017
1316	13	17·956	1·795
1317	25	20·025	1·133
1318	13	24·882	1·631
1319	13	25·206	1·671
1320	13	9·468	2·635
1321	13	9·899	2·215
1322	13	11·393	2·545
1323	17	13·641	2·007
1324	11	15·264	2·236
1325	10	15·389	2·000
1326*	33	16·982	2·432
1327	11	19·455	2·577
1328	15	25·869	2·118
1329*	23	1·761	3·440
1330	12	7·007	3·266
1331	11	9·891	3·535
1332	14	13·401	3·796
1333	11	15·271	3·924
1334*	26	19·177	3·290
1335	12	20·000	3·120
1336	14	20·965	3·582
1337	22	2·129	4·765
1338	13	4·766	4·312
1339	13	6·507	4·158
1340	10	10·655	4·824
1341	11	11·518	4·078
1342	13	12·244	4·300
1343	12	12·293	4·660
1344	22	13·082	4·906
1345	13	16·545	4·865
1346	20	21·489	4·999
1347	10	6·050	5·512
1348	11	6·522	5·674
1349	13	7·509	5·495
1350	10	12·970	5·649
1351	10	13·081	5·916
1352	13	15·096	5·920
1353	15	15·482	5·677
1354	23	21·750	5·475
1355	13	22·716	5·374
1356	15	3·812	6·544
1357	16	6·787	6·453
1358	10	7·548	6·622
1359*	23	9·894	6·461
1360	13	11·984	6·096
1361	22	12·380	6·923
1362	12	13·237	6·467
1363	10	15·416	6·472
1364	11	18·594	6·702
1365	21	18·804	6·147
1366	11	22·884	6·550
1367	10	25·057	6·114
1368	12	3·212	7·732
1369	16	3·909	7·761
1370	10	5·163	7·564
1371	17	6·299	7·940
1372	12	6·331	7·448
1373	10	6·620	7·053
1374	13	10·000	7·229
1375	29	10·111	7·210
1376	13	10·190	7·178
1377	12	10·290	7·221
1378	13	13·400	7·562
1379	10	14·727	7·082
1380	11	17·144	7·527
1381	12	18·800	7·843
1382	11	20·988	7·509
1383	20	21·039	7·685
1384	13	23·722	7·688
1385*	34	24·800	7·701
1386	13	1·689	8·908
1387	24	4·611	8·928
1388	13	13·201	8·245
1389	12	14·517	8·100
1390	10	20·718	8·485
1391	14	20·834	8·143
1392	13	23·590	8·714
1393	13	24·090	8·433
1394	11	25·045	8·422
1395	12	25·499	8·392
1396	13	25·830	8·625
1397	12	1·147	9·797
1398	11	6·530	9·900
1399	11	8·300	9·323
1400*	22	8·339	9·770
1401	13	8·434	9·900
1402	17	9·980	9·179
1403	12	10·168	9·315
1404	22	14·607	9·749
1405	12	15·537	9·374
1406	11	1·433	10·454
1407	11	2·233	10·214
1408	15	2·809	10·971
1409	13	4·546	10·812
1410	14	17·130	10·072
1411	21	19·321	10·870
1412	13	19·433	10·583
1413	10	20·105	10·530
1414	13	20·729	10·099
1415	11	21·125	10·493
1416	26	22·114	10·390
1417	13	3·561	11·186
1418	13	4·626	11·007
1419	10	6·464	11·363
1420	13	7·214	11·229
1421*	35	10·083	11·227
1422	13	10·218	11·281
1423	14	13·954	11·024
1424	21	15·640	11·651
1425	10	21·276	11·306
1426*	25	21·835	11·706
1427	17	1·637	12·802
1428*	26	2·794	12·976
1429	11	2·935	12·770
1430	13	2·991	12·632
1431	10	3·906	12·174
1432	17	4·761	12·084
1433	19	7·184	12·990
1434*	35	9·950	12·016
1435	25	11·769	12·984
1436*	31	16·480	12·889
1437	10	20·150	12·500
1438	13	20·555	12·937
1439	13	20·852	12·597
1440	14	21·018	12·304
1441	13	21·098	12·630
1442	13	21·525	12·724
1443	20	1·630	13·829
1444	11	2·525	13·889
1445	18	4·899	13·563
1446	13	13·600	13·811
1447*	20	20·804	13·890
1448	10	21·046	13·255
1449	25	25·274	13·700
1450	13	25·477	13·779
1451	15	25·969	13·686
1452	20	6·232	14·822
1453	11	8·267	14·550
1454	13	8·970	14·867
1455	11	10·125	14·689
1456*	21	13·369	14·639
1457	13	16·058	14·701
1458	11	21·850	14·009
1459	15	24·580	14·113
1460	13	25·009	14·360
1461	13	25·518	14·467
1462	13	1·493	15·770
1463	17	3·136	15·962
1464	14	8·029	15·090
1465	10	9·420	15·268
1466	22	11·338	15·386
1467	20	12·620	15·911
1468	13	14·384	15·117
1469	13	20·437	15·542
1470	13	21·284	15·311
1471	11	22·771	15·589
1472	11	23·684	15·658
1473	13	25·725	15·702
1474	17	0·668	16·568
1475	13	2·057	16·451
1476	17	3·614	16·947
1477	11	3·981	16·745

1478	18	4.100	16.670
1479	13	8.798	16.538
1480	13	10.560	16.404
1481	12	17.739	16.504
1482*	22	18.417	16.505
1483*	26	22.489	16.354
1484	11	23.894	16.890
1485	21	25.155	16.289
1486	13	0.672	17.858
1487	13	0.734	17.151
1488	17	5.595	17.210
1489	22	5.682	17.481
1490	10	6.251	17.337
1491*	32	8.375	17.284
1492*	31	14.230	17.878
1493	11	18.397	17.701
1494	10	20.567	17.117
1495*	33	21.026	17.266
1496	13	23.227	17.416
1497	12	25.245	17.940
1498	10	5.118	18.437
1499	13	5.867	18.849
1500*	43	7.957	18.510
1501	20	9.411	18.412
1502	11	9.575	18.750
1503	12	11.520	18.468
1504	10	11.906	18.571
1505	13	14.034	18.858
1506	13	14.069	18.819
1507	10	15.872	18.461
1508	11	19.650	18.114
1509*	26	24.118	18.712
1510	13	24.595	18.330
1511	12	0.249	19.329
1512	14	0.897	19.970
1513	13	2.465	19.240
1514	13	2.800	19.421
1515*	23	4.040	19.240
1516*	41	5.416	19.128
1517	14	9.842	19.309
1518	31	17.232	19.400
1519	12	20.166	19.050
1520	10	21.390	19.809
1521	18	21.518	19.770
1522	12	23.641	19.390
1523	18	25.498	19.811
1524	26	13.020	20.498
1525	11	16.064	20.520
1526	10	16.904	20.650
1527	22	18.432	20.511
1528	10	18.641	20.276
1529	11	20.304	20.148
1530	10	20.435	20.350
1531	13	21.701	20.919
1532	22	22.717	20.948
1533	13	24.820	20.976
1534	13	25.024	20.384
1535*	29	2.911	21.149
1536	22	3.564	21.584
1537	20	5.425	21.542
1538	13	6.680	21.461
1539	10	8.434	21.150
1540	15	8.690	21.229
1541	17	10.991	21.450
1542	11	11.067	21.040
1543*	21	16.321	21.991
1544	13	17.784	21.699
1545	11	24.634	21.911
1546	20	3.888	22.936
1547*	30	8.128	22.899
1548	13	10.236	22.430
1549	21	11.940	22.497
1550	12	15.320	22.728
1551	13	16.238	22.150

1552	14	18.055	22.514
1553	11	18.309	22.624
1554*	33	18.551	22.599
1555	14	19.022	22.097
1556	13	21.472	22.169
1557	14	21.770	22.737
1558	13	22.967	22.829
1559	13	25.750	22.768
1560	21	0.041	23.624
1561	13	6.758	23.304
1562	12	9.879	23.307
1563	21	10.020	23.834
1564	25	13.826	23.949
1565	11	14.044	23.810
1566	13	17.484	23.701
1567	13	21.565	23.455
1568	21	4.807	24.649
1569	13	13.330	24.406
1570	11	13.963	24.535
1571	13	18.755	24.048
1572	12	19.109	24.211
1573	10	20.934	24.661
1574	12	25.260	24.340
1575	11	12.387	25.430
1576	11	13.274	25.511
1577	11	15.457	25.994
1578	13	16.636	25.649
1579	12	17.350	25.732
1580	13	21.920	25.262
1581	13	22.114	25.420
1582	14	24.987	25.008

R. A. 0h 58m

Plate 2057; 1902 Nov. 28.

Provisional Constants.

A	B	C
−·00011	+·00767	−·5160
D	**E**	**F**
−·00751	−·00050	+·0682

Mag. = 15·8 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
1601	15	3.629	0.397
1602	13	4.601	0.052
1603	12	4.668	0.818
1604	11	14.935	0.370
1605	16	16.930	0.812
1606	15	17.755	0.418
1607	15	18.828	0.035
1608	20	7.100	1.862
1609	13	8.105	1.476
1610	10	10.151	1.742
1611	11	10.417	1.211
1612	11	15.800	1.613
1613	10	20.768	1.450
1614*	22	3.965	2.544
1615*	25	7.155	2.224
1616	18	10.350	2.363
1617	11	10.620	2.850
1618*	20	11.099	2.960
1619	16	13.132	2.970
1620	14	13.711	2.851
1621	18	23.460	2.170

1622	17	24.250	2.622
1623	21	7.815	3.990
1624	11	13.410	3.330
1625	11	14.888	3.987
1626	13	17.888	3.926
1627	12	18.340	4.320
1628	12	20.712	4.749
1629	13	25.233	4.400
1630	15	4.078	5.118
1631	13	4.393	5.904
1632	17	4.400	5.924
1633	14	4.960	5.175
1634	11	11.909	5.163
1635	10	14.501	5.750
1636	11	17.993	5.971
1637	12	20.280	5.541
1638	11	20.450	5.830
1639	10	12.471	6.175
1640	14	13.670	6.220
1641*	18	13.755	6.541
1642	15	24.892	6.717
1643	13	4.666	7.942
1644	10	6.918	7.968
1645*	25	7.882	7.521
1646	13	11.480	7.388
1647	22	12.638	7.312
1648*	23	12.850	7.880
1649	10	12.931	7.800
1650	11	17.250	7.816
1651	18	18.840	7.760
1652*	23	20.181	7.941
1653	13	20.377	7.763
1654	15	20.932	7.255
1655	20	21.010	7.748
1656	13	21.852	7.929
1657	10	22.127	7.540
1658	13	23.333	7.290
1659	18	24.271	7.586
1660	14	24.511	7.117
1661	16	25.931	7.777
1662	16	8.108	8.450
1663	11	8.673	8.246
1664	11	10.299	8.958
1665*	33	13.209	8.670
1666	10	14.525	8.498
1667	16	14.753	8.887
1668	22	18.822	8.111
1669	10	20.343	8.130
1670*	21	21.410	8.321
1671	16	23.820	8.639
1672	13	3.696	9.475
1673	19	5.030	9.876
1674	18	5.845	9.140
1675	10	8.250	9.324
1676	12	16.149	9.976
1677	22	17.830	9.621
1678	12	22.930	9.869
1679	14	24.790	9.900
1680	14	25.860	9.939
1681	20	5.150	10.490
1682	13	6.733	10.128
1683	19	10.820	10.110
1684	18	14.927	10.671
1685	21	15.003	10.204
1686	15	17.136	10.016
1687*	20	19.740	10.461
1688	12	20.348	10.831
1689	17	2.562	11.841
1690	17	5.403	11.554
1691	11	6.820	11.750
1692	23	14.730	11.611
1693	13	16.959	11.600
1694	13	1.101	12.604
1695	14	3.710	12.016

1696	13	3.922	12.841
1697	11	11.901	12.627
1698*	36	14.172	12.550
1699	16	23.715	12.527
1700	12	25.386	12.118
1701	14	0.231	13.796
1702	16	0.443	13.870
1703	13	0.930	13.762
1704	11	2.034	13.623
1705*	32	11.189	13.539
1706	13	14.254	13.152
1707*	21	14.585	13.143
1708	19	18.902	13.882
1709	10	3.375	14.266
1710	10	3.790	14.190
1711	12	6.101	14.294
1712	11	7.197	14.130
1713	11	19.971	14.028
1714	21	21.850	14.381
1715	16	22.114	14.074
1716	16	23.516	14.521
1717	13	24.037	14.000
1718	13	25.085	14.141
1719	12	0.742	15.786
1720	13	6.490	15.516
1721	18	8.455	15.131
1722	10	10.823	15.409
1723	23	11.233	15.564
1724	18	11.507	15.973
1725	18	14.080	15.097
1726	18	15.392	15.460
1727	14	18.444	15.482
1728	13	20.737	15.540
1729	14	0.183	16.387
1730*	32	3.669	16.849
1731	17	3.800	16.861
1732	13	4.177	16.618
1733*	25	7.555	16.310
1734*	63	10.916	16.190
1735	18	15.045	16.698
1736*	25	19.671	16.651
1737	10	20.787	16.270
1738	11	25.463	16.359
1739	18	25.770	16.735
1740	17	5.909	17.720
1741	10	6.626	17.810
1742	18	10.020	17.621
1743	11	12.711	17.924
1744*	21	17.155	17.941
1745	10	17.647	17.999
1746	11	22.820	17.644
1747	15	23.738	17.300
1748*	22	24.930	17.256
1749	12	0.321	18.040
1750	13	1.435	18.577
1751	13	1.530	18.213
1752*	23	3.240	18.781
1753	13	19.660	18.723
1754*	48	24.101	18.682
1755*	17	25.022	18.380
1756	16	0.620	19.901
1757	13	2.585	19.884
1758	12	3.496	19.760
1759	20	4.699	19.838
1760	14	4.868	19.721
1761	13	17.462	19.401
1762	13	17.480	19.412
1763*	19	20.080	19.441
1764	10	23.200	19.180
1765	15	25.121	19.857
1766	18	6.081	20.020
1767	10	6.151	20.860
1768	11	8.299	20.229
1769*	25	9.426	20.258

1770	11	9.755	20.872
1771	10	10.910	20.000
1772	14	15.318	20.884
1773	21	17.555	20.655
1774	14	18.075	20.749
1775	13	18.260	20.451
1776	14	19.125	20.420
1777	17	19.324	20.770
1778*	39	19.494	20.690
1779	11	19.835	20.147
1780	21	23.213	20.484
1781	13	3.071	21.918
1782	13	5.475	21.050
1783	13	14.801	21.684
1784	17	16.737	21.365
1785	10	18.850	21.820
1786*	21	19.122	21.588
1787	17	21.934	21.700
1788	12	24.666	21.958
1789	15	1.384	22.024
1790	20	2.670	22.734
1791	23	2.690	22.940
1792*	26	4.475	22.519
1793	13	10.750	22.684
1794	13	12.681	22.375
1795	17	17.378	22.598
1796	14	25.989	22.920
1797	16	5.125	23.320
1798	17	8.702	23.265
1799	19	8.794	23.031
1800	16	16.811	23.478
1801	13	17.393	23.674
1802	21	19.916	23.047
1803*	52	1.582	24.090
1804*	52	2.709	24.524
1805	20	3.249	24.362
1806	14	3.343	24.093
1807	15	5.624	24.695
1808	22	5.628	24.716
1809	13	6.980	24.242
1810	20	9.000	24.548
1811	12	11.480	24.571
1812	18	14.147	24.874
1813	12	15.377	24.031
1814*	18	18.788	24.455
1815	23	1.926	25.574
1816	22	2.350	25.261
1817	15	4.808	25.941
1818	28	6.420	25.189
1819	15	9.511	25.853
1820	18	13.418	25.230
1821	12	15.066	25.020
1822	19	16.190	25.340
1823	10	17.732	25.421
1824	11	22.452	25.381

R. A. 1h 7m

Plate 2043; 1902 Nov. 12.

Provisional Constants.

A	B	C
−·00074	+·00081	−·0344
D	E	F
−·00051	−·00039	−·4154

Mag. = 16·8 − 1·36 $\sqrt{d}$

No.	d	x	y
1901	18	8·413	0·457
1902	14	9·784	0·828
1903	12	10·134	0·463
1904	18	10·635	0·110
1905	19	12·385	0·112
1906	15	15·080	0·882
1907*	38	15·691	0·207
1908	14	17·625	0·759
1909*	50	17·690	0·737
1910	8	19·162	0·097
1911	36	0·560	1·881
1912	19	5·488	1·612
1913	14	6·362	1·538
1914	10	13·306	1·050
1915	13	16·952	1·332
1916	10	18·696	1·870
1917	14	19·142	1·951
1918	11	19·667	1·747
1919*	32	20·388	1·578
1920	12	21·265	1·812
1921	18	23·725	1·688
1922	38	1·354	2·319
1923	16	7·059	2·328
1924	12	7·444	2·798
1925	12	11·107	2·338
1926	12	11·572	2·734
1927	14	11·724	2·474
1928	10	11·836	2·890
1929	10	14·158	2·729
1930	18	14·913	2·744
1931	10	16·866	2·090
1932	14	21·066	2·843
1933	9	21·664	2·123
1934	10	22·130	2·458
1935	15	4·035	3·828
1936	18	5·641	3·939
1937	16	8·749	3·829
1938	10	14·055	3·491
1939	10	14·842	3·994
1940*	22	21·958	3·850
1941	9	22·535	3·694
1942	19	2·360	4·085
1943	14	4·775	4·664
1944	18	5·006	4·412
1945	15	5·652	4·906
1946	13	11·050	4·839
1947	12	13·882	4·520
1948	12	16·975	4·331
1949	9	18·814	4·522
1950	11	19·122	4·080
1951	10	19·216	4·409
1952	13	19·750	4·352
1953	12	20·752	4·139
1954	15	23·842	4·270
1955	21	25·822	4·369
1956	15	4·410	5·862

No.	d	x	y
1957*	32	6·594	5·866
1958	13	6·740	5·941
1959	10	7·018	5·742
1960	13	8·482	5·503
1961*	33	9·500	5·607
1962	14	10·019	5·390
1963	10	12·124	5·825
1964	12	12·399	5·905
1965	14	14·965	5·560
1966	19	15·165	5·618
1967	17	16·891	5·525
1968	8	20·914	5·755
1969	12	21·496	5·244
1970	13	24·317	5·841
1971	15	25·177	5·042
1972	34	1·682	6·810
1973	22	2·052	6·407
1974	15	7·942	6·057
1975	10	11·499	6·620
1976	15	14·914	6·578
1977	15	15·925	6·285
1978	14	16·190	6·150
1979	10	19·201	6·055
1980	13	20·550	6·174
1981	12	20·593	6·788
1982	13	20·708	6·485
1983	9	20·710	6·899
1984	12	23·552	6·856
1985	14	25·030	6·252
1986	13	25·094	6·857
1987	13	25·289	6·158
1988	18	0·502	7·000
1989	21	1·442	7·284
1990	14	3·108	7·452
1991	14	7·934	7·316
1992	12	8·396	7·418
1993	10	8·609	7·285
1994	14	9·141	7·663
1995	10	10·927	7·021
1996	14	14·637	7·749
1997	11	18·675	7·133
1998	14	20·164	7·455
1999	10	20·253	7·141
2000	14	22·000	7·012
2001	34	1·006	8·344
2002	15	4·592	8·870
2003	12	6·456	8·155
2004	21	6·917	8·785
2005	19	9·100	8·765
2006	17	10·083	8·971
2007	15	14·480	8·873
2008	14	15·847	8·630
2009	10	15·868	8·683
2010*	35	16·222	8·694
2011	14	17·116	8·685
2012	22	18·355	8·887
2013*	32	19·531	8·544
2014	10	22·582	8·890
2015	9	23·719	8·158
2016	10	24·698	8·469
2017	28	2·000	9·591
2018	14	3·061	9·616
2019	10	3·466	9·704
2020	14	3·892	9·783
2021	13	5·009	9·295
2022	14	7·088	9·716
2023	16	13·571	9·874
2024	17	17·136	9·359
2025	12	17·568	9·165
2026	20	23·427	9·850
2027	11	23·504	9·871
2028	12	24·702	9·503
2029	11	2·127	10·112
2030	18	4·714	10·566

No.	d	x	y
2031	11	7·784	10·295
2032*	23	8·649	10·149
2033	16	9·242	10·166
2034	14	13·759	10·166
2035	14	17·129	10·580
2036	11	19·034	10·636
2037	14	20·888	10·446
2038	10	21·555	10·891
2039	14	23·645	10·665
2040	8	24·554	10·073
2041	16	2·617	11·798
2042	12	4·754	11·395
2043	14	7·086	11·824
2044*	73	9·355	11·295
2045	14	11·666	11·817
2046	16	16·445	11·895
2047	17	16·820	11·657
2048	15	19·513	11·146
2049	12	19·516	11·180
2050	14	22·696	11·961
2051	15	23·749	11·554
2052	14	25·206	11·311
2053	22	0·953	12·229
2054	16	3·318	12·340
2055	14	7·069	12·110
2056	12	11·837	12·236
2057	14	13·391	12·770
2058	22	15·517	12·023
2059	14	17·340	12·260
2060	19	18·967	12·642
2061	13	19·178	12·117
2062	12	20·202	12·540
2063	12	20·514	12·984
2064*	30	20·670	12·531
2065	11	21·698	12·744
2066	13	22·490	12·340
2067	22	22·855	12·707
2068	22	25·508	12·829
2069	22	1·294	13·704
2070	19	2·346	13·829
2071	10	4·400	13·544
2072	22	10·534	13·487
2073	15	11·774	13·539
2074	10	12·016	13·407
2075	19	15·823	13·909
2076	9	19·390	13·004
2077	10	23·857	13·003
2078	37	0·785	14·226
2079*	37	3·322	14·500
2080	14	3·578	14·365
2081	15	3·759	14·167
2082	12	4·139	14·100
2083	15	5·210	14·875
2084	16	5·862	14·127
2085	9	5·924	14·638
2086	14	10·796	14·245
2087	14	10·922	14·689
2088	14	12·910	14·331
2089	13	18·531	14·387
2090	14	23·929	14·116
2091	16	3·481	15·716
2092	32	3·804	15·424
2093	13	4·504	15·243
2094	10	7·255	15·375
2095	10	9·336	15·617
2096	12	9·617	15·765
2097	14	10·701	15·362
2098	12	18·997	15·784
2099	19	19·886	15·682
2100	17	21·468	15·935
2101	9	23·967	15·349
2102*	40	24·418	15·324
2103*	50	25·404	15·237
2104*	37	2·236	16·944

No.	d	x	y
2105	22	3·066	16·411
2106*	31	8·624	16·107
2107	11	10·586	16·158
2108	14	11·047	16·853
2109	12	14·563	16·030
2110	12	15·672	16·019
2111	23	16·329	16·036
2112	9	21·515	16·111
2113	9	23·486	16·012
2114	16	0·124	17·360
2115	20	1·040	17·003
2116	21	3·339	17·434
2117	12	5·187	17·109
2118	10	7·492	17·347
2119	8	7·970	17·657
2120	10	8·062	17·780
2121	20	11·666	17·075
2122	19	15·471	17·653
2123	18	16·430	17·262
2124	10	23·416	17·496
2125	22	25·647	17·621
2126	9	25·736	17·690
2127*	75	1·430	18·378
2128*	32	2·343	18·067
2129	14	3·394	18·764
2130	13	5·846	18·123
2131	11	6·769	18·099
2132	12	8·196	18·210
2133	21	9·872	18·461
2134	13	14·514	18·474
2135	14	16·371	18·304
2136	13	16·419	18·180
2137	12	16·723	18·931
2138	14	17·111	18·498
2139*	33	18·453	18·470
2140	10	21·556	18·160
2141	17	22·104	18·212
2142	11	22·252	18·641
2143	21	2·456	19·541
2144	13	7·831	19·176
2145	11	8·611	19·708
2146	10	10·066	19·196
2147	12	11·744	19·021
2148	13	13·090	19·432
2149*	41	13·785	19·085
2150*	50	13·848	19·110
2151	9	14·011	19·340
2152	23	14·115	19·636
2153	10	14·153	19·125
2154	13	14·193	19·963
2155	9	14·198	19·670
2156	27	15·449	19·883
2157	21	16·782	19·590
2158	13	17·640	19·980
2159	20	18·040	19·391
2160	11	20·934	19·576
2161	14	21·894	19·601
2162	17	22·761	19·666
2163	12	23·141	19·286
2164	9	24·136	19·095
2165	50	0·563	20·194
2166	20	3·700	20·171
2167	14	7·276	20·304
2168	13	11·045	20·535
2169	10	11·502	20·336
2170	10	12·071	20·873
2171	11	12·873	20·092
2172*	42	12·890	20·733
2173	21	13·284	20·539
2174	10	15·194	20·668
2175	17	15·459	20·291
2176	8	17·475	20·849
2177	14	18·880	20·520
2178	9	19·594	20·238

No.	d	x	y
2179	18	19·829	20·90
2180	8	20·114	20·57
2181	8	21·031	20·06
2182*	23	25·442	20·46
2183	19	2·030	21·64
2184	22	3·916	21·04
2185	12	4·080	21·01
2186	18	4·142	21·65
2187	11	4·476	21·65
2188	11	7·566	21·71
2189	10	10·132	21·36
2190	15	10·405	21·87
2191	8	12·281	21·42
2192*	23	14·417	21·28
2193	11	15·814	21·03
2194	20	15·962	21·39
2195	8	16·241	21·29
2196	23	17·980	21·05
2197	12	18·309	21·11
2198	24	19·668	21·91
2199	12	20·683	21·42
2200	16	21·320	21·69
2201	10	23·066	21·00
2202	11	23·128	21·10
2203	21	25·382	21·76
2204	22	3·365	22·58
2205	15	5·543	22·34
2206	11	8·721	22·62
2207	12	8·924	22·06
2208	8	10·493	22·70
2209	8	10·508	22·29
2210	13	14·140	22·59
2211*	32	15·743	22·94
2212	11	16·572	22·80
2213	12	17·546	22·95
2214	12	18·131	22·26
2215	19	21·343	22·10
2216	31	21·890	22·26
2217	26	23·071	22·01
2218	18	23·085	22·70
2219	20	4·000	23·21
2220	12	4·675	23·71
2221	15	6·564	23·68
2222	14	7·522	23·25
2223	14	9·560	23·69
2224	16	9·720	23·73
2225	12	10·481	23·70
2226	13	11·412	23·52
2227	9	12·272	23·72
2228	15	15·725	23·78
2229	22	16·995	23·87
2230	14	20·316	23·37
2231	12	21·457	23·62
2232	12	22·065	23·21
2233	16	23·060	23·72
2234	14	23·430	23·42
2235	12	24·034	23·20
2236	16	7·279	24·92
2237	15	7·452	24·03
2238	14	9·180	24·30
2239*	39	9·339	24·40
2240	12	9·431	24·13
2241	20	10·447	24·46
2242	14	12·293	24·41
2243	14	13·871	24·03
2244	15	16·010	24·47
2245	8	17·071	24·76
2246	20	21·176	24·71
2247	14	21·926	24·39
2248	9	22·565	24·46
2249	8	22·755	24·33
2250	12	22·948	24·22
2251	30	24·205	24·19
2252	17	24·410	24·04

2253	31	5·018	25·070
2254	22	6·517	25·543
2255	32	7·562	25·438
2256	12	8·113	25·764
2257	16	8·755	25·685
2258	27	14·829	25·684
2259	9	15·300	25·735
2260	14	15·750	25·466
2261	20	17·640	25·070
2262	16	18·316	25·485
2263	14	18·410	25·677
2264	13	19·359	25·735
2265	14	19·827	25·437
2266	15	21·904	25·846
2267	14	24·024	25·230
2268	22	25·606	25·394

R. A. 1h 16m

Plate 2038; 1902 Nov. 7.

Provisional Constants.

A	B	C
−·00013	+·00419	−·2718
D	**E**	**F**
−·00417	−·00046	−·3316

Mag. = 15·9 − 1·36 √d

No.	d	x	y
2301	10	7·858	0·573
2302	8	10·237	0·925
2303	8	16·205	0·315
2304	9	16·311	0·447
2305	11	20·753	0·600
2306	35	0·148	1·801
2307	10	8·130	1·087
2308	15	9·052	1·149
2309	21	11·645	1·269
2310	8	12·234	1·084
2311	22	12·485	1·938
2312	9	13·301	1·287
2313	10	18·488	1·077
2314	21	18·922	1·694
2315	15	19·196	1·680
2316	12	20·133	1·571
2317	9	23·874	1·596
2318	8	4·994	2·758
2319	9	7·133	2·593
2320	11	11·224	2·675
2321	9	20·584	2·846
2322	14	22·964	2·300
2323	11	5·034	3·892
2324	8	5·777	3·496
2325	9	6·201	3·263
2326	9	11·312	3·539
2327	12	14·846	3·639
2328	8	15·025	3·329
2329	9	15·191	3·355
2330	9	18·656	3·392
2331	16	19·130	3·232
2332	11	20·619	3·169
2333	16	23·558	3·255
2334	13	25·376	3·624
2335	14	25·411	3·191
2336	14	0·326	4·377
2337	15	2·305	4·430
2338	8	4·403	4·886
2339	9	6·776	4·100
2340	9	7·130	4·708
2341	13	13·657	4·960
2342	8	15·472	4·028
2343	9	18·940	4·026
2344*	12	21·886	4·790
2345	10	23·058	4·184
2346	14	0·835	5·940
2347	20	3·636	5·552
2348	10	5·699	5·355
2349	11	12·069	5·598
2350*	23	12·689	5·795
2351*	22	13·510	5·902
2352	10	14·004	5·885
2353	14	16·530	5·042
2354*	31	17·903	5·717
2355*	13	19·458	5·332
2356	8	19·602	5·952
2357	8	24·376	5·965
2358	9	24·980	5·976
2359	15	25·364	5·631
2360	14	1·635	6·935
2361	14	1·816	6·232
2362	15	3·642	6·965
2363	10	12·828	6·664
2364	7	12·929	6·428
2365*	30	14·640	6·249
2366	9	15·194	6·140
2367	13	16·171	6·770
2368	12	16·744	6·684
2369	10	20·020	6·851
2370	7	20·690	6·846
2371	8	21·969	6·485
2372	9	23·034	6·034
2373	16	10·716	7·722
2374	10	13·080	7·206
2375	10	14·381	7·460
2376	11	15·437	7·042
2377*	22	18·859	7·661
2378	8	21·517	7·757
2379	10	1·279	8·555
2380	11	4·807	8·011
2381	10	7·920	8·750
2382	13	11·684	8·183
2383	10	15·006	8·379
2384	14	22·690	8·601
2385*	30	22·869	8·298
2386	17	23·950	8·235
2387	26	0·044	9·968
2388	15	1·310	9·590
2389	19	3·467	9·914
2390	8	3·967	9·046
2391	8	6·492	9·960
2392	8	6·795	9·200
2393	15	9·352	9·212
2394*	30	23·099	9·960
2395	12	24·762	9·298
2396	20	0·280	10·777
2397	8	3·330	10·505
2398	9	7·301	10·064
2399	8	8·775	10·122
2400*	31	12·332	10·456
2401	8	22·904	10·250
2402	7	22·950	10·767
2403	9	23·061	10·337
2404	22	0·406	11·663
2405	10	2·706	11·460
2406	8	7·764	11·617
2407*	19	8·170	11·760
2408	15	10·014	11·383
2409	12	17·426	11·817
2410	9	19·368	11·510
2411	14	25·628	11·680
2412	22	2·194	12·897
2413	13	2·731	12·023
2414	9	4·609	12·381
2415	11	6·821	12·302
2416	10	10·311	12·400
2417	17	11·408	12·144
2418	10	20·585	12·070
2419*	32	22·935	12·983
2420*	31	23·116	12·935
2421	9	8·293	13·322
2422*	30	9·428	13·051
2423	15	11·195	13·379
2424	12	12·276	13·237
2425	14	12·290	13·614
2426	10	20·090	13·989
2427	8	21·750	13·912
2428	8	23·169	13·804
2429	22	0·645	14·222
2430	10	4·982	14·645
2431	19	6·336	14·081
2432	10	7·788	14·480
2433	8	8·504	14·677
2434*	20	9·285	14·332
2435	8	9·520	14·033
2436*	41	14·328	14·791
2437	8	22·843	14·210
2438	10	25·324	14·368
2439*	51	1·164	15·416
2440*	51	2·145	15·306
2441	8	6·021	15·404
2442	9	8·345	15·681
2443	18	11·481	15·814
2444	14	11·850	15·086
2445*	12	16·885	15·614
2446*	24	17·577	15·774
2447	13	17·774	15·436
2448	10	20·170	15·634
2449	8	23·289	15·059
2450*	31	3·351	16·324
2451	8	4·497	16·658
2452	20	4·684	16·505
2453	8	5·698	16·696
2454	10	5·752	16·694
2455	10	7·495	16·525
2456	10	9·155	16·736
2457	11	9·166	16·191
2458	10	14·080	16·237
2459	8	15·872	16·754
2460*	32	16·250	16·420
2461	8	20·389	16·023
2462*	30	21·462	16·890
2463	24	2·445	17·686
2464	10	2·535	17·752
2465	9	6·560	17·200
2466	8	7·144	17·537
2467	8	7·564	17·358
2468	8	10·386	17·470
2469*	30	19·720	17·261
2470	8	20·341	17·694
2471	8	20·920	17·474
2472	17	23·820	17·690
2473*	20	24·447	17·332
2474	8	5·565	18·151
2475	9	8·655	18·783
2476	8	9·385	18·724
2477	7	18·235	18·952
2478*	22	18·550	18·784
2479*	31	20·532	18·400
2480*	22	22·784	18·149
2481	8	24·326	18·950
2482	18	3·321	19·541
2483	13	4·184	19·389
2484	9	4·741	19·987
2485	8	8·749	19·651
2486	17	13·480	19·880
2487	11	16·100	19·509
2488	9	23·796	19·494
2489*	30	2·308	20·531
2490	13	4·124	20·497
2491	17	5·292	20·273
2492	11	10·489	20·975
2493	8	12·648	20·780
2494	9	13·439	20·716
2495	9	18·876	20·058
2496	9	21·186	20·805
2497	7	22·064	20·959
2498	9	22·340	20·745
2499	10	23·255	20·072
2500	8	23·386	20·739
2501	17	23·770	20·506
2502	28	2·280	21·838
2503*	29	7·745	21·873
2504	9	8·612	21·849
2505	8	10·408	21·432
2506	8	14·574	21·613
2507	13	15·406	21·186
2508	8	17·282	21·356
2509	14	4·584	22·694
2510	11	5·276	22·068
2511	19	9·936	22·366
2512	12	19·786	22·205
2513	10	21·472	22·831
2514	22	4·166	23·741
2515	16	4·872	23·722
2516	21	4·978	23·544
2517	12	6·237	23·968
2518	8	17·804	23·811
2519	13	19·876	23·480
2520	8	22·271	23·404
2521*	30	25·006	23·340
2522	44	1·159	24·288
2523	16	6·340	24·335
2524*	21	6·777	24·535
2525	22	9·540	24·684
2526	10	11·890	24·570
2527	8	14·838	24·234
2528	14	14·846	24·228
2529	10	16·674	24·200
2530	13	17·490	24·116
2531	8	20·492	26·854
2532	8	20·986	24·361
2533	22	2·586	25·456
2534	19	3·600	25·401
2535	12	9·429	25·330
2536	23	13·173	25·994
2537	10	18·219	25·404
2538	16	19·441	25·862
2539	9	21·190	25·919
2540	21	22·585	25·153
2541	12	24·260	25·399

R. A. 1h 25m

Plate 2039; 1902 Nov. 7.

Provisional Constants

A	B	C
−·00069	+·00152	−·2163
D	**E**	**F**
−·00171	−·00053	−·3893

Mag. = 16·0 − 1·36 √d

No.	d	x	y
2601*	44	4·717	0·536
2602	11	7·748	0·643
2603	12	8·268	0·388
2604	12	9·082	0·040
2605	10	12·590	0·882
2606*	20	13·194	0·969
2607	10	13·757	0·640
2608	11	16·165	0·380
2609	15	16·455	0·611
2610	13	22·478	0·749
2611	17	0·558	1·647
2612	22	3·626	1·688
2613	20	4·450	1·521
2614	13	4·863	1·802
2615*	43	6·849	1·104
2616	12	7·689	1·929
2617	13	9·055	1·740
2618	13	11·222	1·904
2619	11	14·894	1·287
2620*	36	15·766	1·910
2621	12	17·585	1·330
2622	13	25·175	1·484
2623	11	10·416	2·101
2624	10	12·044	2·340
2625	11	13·202	2·652
2626	18	13·757	2·351
2627	19	15·553	2·919
2628	10	17·299	2·160
2629	9	21·234	2·498
2630	11	23·263	2·448
2631*	23	24·830	2·545
2632	28	0·271	3·309
2633	20	2·097	3·645
2634	22	2·122	3·216
2635	10	5·821	3·720
2636	11	8·041	3·294
2637	11	9·473	3·396
2638*	12	16·771	3·429
2639	10	16·845	3·406
2640	12	17·108	3·412
2641	10	18·316	3·909
2642	13	19·244	3·840
2643	10	19·270	3·668
2644	13	20·778	3·745
2645	16	23·092	3·738
2646	13	24·314	3·551
2647*	22	24·358	3·756
2648*	24	25·191	3·790
2649	12	9·104	4·671
2650	13	9·267	4·534
2651*	23	10·864	4·044
2652	10	11·722	4·111
2653	10	12·261	4·980
2654	11	14·106	4·229
2655	10	21·241	4·179
2656	10	22·400	4·049

2657	10	23·130	4·762
2658	17	23·171	4·597
2659	10	25·786	4·398
2660	22	2·121	5·652
2661	13	4·449	5·772
2662	22	9·516	5·054
2663*	38	9·800	5·155
2664	17	13·700	5·336
2665	14	16·570	5·440
2666	10	17·063	5·293
2667*	24	19·917	5·815
2668	18	20·912	5·346
2669	10	24·182	5·618
2670	14	24·733	5·513
2671	13	8·878	6·916
2672*	39	10·751	6·471
2673	17	13·711	6·983
2674	13	22·606	6·075
2675	10	25·136	6·673
2676	13	25·167	6·087
2677*	33	5·182	7·601
2678	13	7·424	7·457
2679	22	10·633	7·078
2680	11	11·050	7·770
2681	13	11·239	7·690
2682	13	13·746	7·435
2683	11	19·694	7·859
2684	13	21·021	7·800
2685*	11	24·772	7·870
2686	26	0·749	8·283
2687	13	8·062	8·625
2688	13	13·358	8·590
2689	10	15·700	8·120
2690	11	17·709	8·178
2691	10	21·545	8·017
2692	10	22·255	8·481
2693	10	22·852	8·684
2694	10	23·485	8·676
2695	12	24·271	8·355
2696	10	24·586	8·577
2697	10	3·675	9·610
2698	12	3·800	9·036
2699*	19	5·260	9·358
2700	13	6·185	9·932
2701	20	12·602	9·346
2702	13	16·502	9·424
2703	11	20·199	9·949
2704	14	23·726	9·349
2705*	42	25·250	9·944
2706	13	25·923	9·326
2707	11	6·775	10·556
2708	11	6·880	10·131
2709	12	7·804	10·614
2710	22	12·590	10·555
2711	19	12·821	10·574
2712	12	13·321	10·064
2713	22	14·789	10·587
2714	10	18·480	10·058
2715	11	20·637	10·861
2716	21	2·491	11·695
2717	12	8·169	11·748
2718	17	10·990	11·091
2719	13	13·440	11·921
2720	12	15·309	11·580
2721	12	18·394	11·423
2722	10	24·550	11·488
2723	9	24·721	11·962
2724	30	0·003	12·994
2725	13	8·875	12·174
2726	12	11·788	12·495
2727	13	16·621	12·640
2728	10	23·202	12·382
2729	10	23·965	12·588
2730	11	24·621	12·447

2731	13	25·643	12·939
2732	22	0·071	13·861
2733	12	3·027	13·612
2734	16	3·158	13·289
2735	12	3·660	13·658
2736	22	7·858	13·699
2737	12	13·535	13·574
2738	13	17·000	13·980
2739	11	18·590	13·500
2740	14	19·100	13·765
2741	11	19·520	13·960
2742	10	22·430	13·621
2743	11	23·329	13·759
2744	22	24·011	13·475
2745	14	2·235	14·391
2746	11	5·751	14·031
2747	13	7·111	14·360
2748	13	7·990	14·881
2749	10	8·299	14·147
2750	13	10·582	14·735
2751	12	13·996	14·960
2752	13	15·587	14·850
2753	12	18·980	14·620
2754	10	19·021	14·865
2755	13	19·136	14·229
2756	10	22·910	14·989
2757	13	24·189	14·164
2758	12	2·992	15·725
2759	13	4·487	15·240
2760	10	10·495	15·571
2761	13	21·475	15·392
2762	13	22·590	15·633
2763	10	23·279	15·560
2764	23	25·661	15·615
2765	32	25·689	15·476
2766	13	3·000	16·682
2767	13	4·494	16·210
2768	10	5·750	16·880
2769	10	6·199	16·481
2770	12	6·428	16·432
2771	10	12·609	16·395
2772	10	17·014	16·746
2773	17	0·790	17·737
2774*	23	1·410	17·369
2775	10	10·791	17·824
2776	13	10·986	17·492
2777	10	12·977	17·459
2778	10	15·528	17·797
2779	22	17·077	17·362
2780	13	17·278	17·649
2781	10	21·369	17·249
2782	12	23·351	17·180
2783	10	23·664	17·263
2784	13	24·386	17·059
2785	14	25·171	17·450
2786	17	1·317	18·991
2787	12	4·047	18·542
2788	10	4·201	18·418
2789	11	5·350	18·694
2790*	42	5·370	18·019
2791	17	6·495	18·103
2792	13	8·020	18·637
2793	11	9·422	18·870
2794	22	11·486	18·688
2795	11	13·720	18·969
2796	12	17·500	18·005
2797	15	18·575	18·911
2798	10	19·700	18·830
2799	12	21·982	18·514
2800	22	22·664	18·167
2801	12	22·697	18·823
2802	11	23·385	18·234
2803	11	24·640	18·511
2804	10	24·829	18·305

2805	17	0·799	19·541
2806	13	5·586	19·184
2807	10	6·008	19·247
2808	10	7·151	19·061
2809	13	8·636	19·140
2810	12	9·842	19·303
2811	13	10·457	19·289
2812	10	10·840	19·598
2813	13	11·098	19·151
2814	13	17·195	19·497
2815	13	19·069	19·877
2816	15	0·265	20·130
2817	21	0·789	20·555
2818	11	7·189	20·024
2819	10	7·643	20·184
2820	21	7·729	20·499
2821	10	9·744	20·557
2822	13	10·840	20·874
2823*	23	12·312	20·636
2824	10	12·511	20·661
2825	13	17·997	20·074
2826	11	19·984	20·877
2827	18	20·706	20·869
2828	14	21·779	20·866
2829	13	22·209	20·859
2830	12	8·743	21·193
2831	10	10·078	21·751
2832	12	10·201	21·735
2833	16	12·218	21·167
2834	13	14·664	21·260
2835	10	16·370	21·270
2836	22	16·406	21·071
2837	12	16·576	21·685
2838	22	18·662	21·339
2839	13	22·909	21·688
2840	10	25·066	21·562
2841	23	25·701	21·712
2842	21	4·475	22·914
2843	13	6·551	22·472
2844	15	7·720	22·984
2845	11	13·080	22·979
2846*	22	13·739	22·544
2847	9	13·880	22·679
2848	12	14·200	22·762
2849	10	15·770	22·999
2850	13	16·011	22·954
2851	20	25·022	22·381
2852*	30	2·078	23·367
2853	15	3·158	23·224
2854	13	3·739	23·419
2855	12	5·917	23·950
2856	13	7·320	23·151
2857	13	7·580	23·429
2858*	22	7·960	23·866
2859	10	8·707	23·230
2860	10	9·201	23·349
2861	22	13·626	23·306
2862	11	14·901	23·558
2863	11	15·332	23·581
2864	11	16·876	23·680
2865	11	19·686	23·986
2866	11	21·880	23·779
2867	10	7·600	24·163
2868	13	11·799	24·612
2869	12	14·082	24·771
2870	15	14·370	24·540
2871*	39	16·770	24·914
2872	12	20·031	24·366
2873	15	4·806	25·120
2874	13	10·040	25·821
2875*	23	11·360	25·441
2876	13	14·422	25·951
2877	13	19·117	25·051
2878	22	25·576	25·462

R. A. 1h 34m

Plate 2044; 1902 Nov. 12.

Provisional Constants.

A	B	C
−·00052	+·00538	−·4013
D	**E**	**F**
−·00527	−·00067	−·3106

Mag. = $16{\cdot}6 - 1{\cdot}36\sqrt{d}$

No.	*d*	*x*	*y*
2901	15	4·328	0·659
2902	25	4·485	0·877
2903	20	9·738	0·168
2904	14	9·913	0·944
2905*	28	13·308	0·879
2906	13	16·530	0·457
2907	20	17·735	0·844
2908	13	20·562	0·824
2909	29	24·212	0·360
2910	15	25·891	0·502
2911	23	1·645	1·577
2912	23	3·879	1·533
2913*	23	7·372	1·174
2914	12	9·466	1·380
2915	14	10·925	1·280
2916	20	11·383	1·464
2917	15	11·579	1·915
2918	18	14·398	1·941
2919	14	14·534	1·318
2920	13	16·133	1·815
2921	15	17·702	1·792
2922	11	18·762	1·398
2923	17	19·615	1·777
2924	12	19·663	1·954
2925	13	22·647	1·992
2926*	45	1·324	2·649
2927	27	4·166	2·624
2928*	26	4·830	2·148
2929*	25	6·570	2·678
2930	14	8·122	2·424
2931	15	8·463	2·251
2932	12	11·846	2·314
2933	18	12·119	2·413
2934	14	12·186	2·858
2935	13	12·378	2·506
2936	15	16·512	2·892
2937	15	18·212	2·588
2938	15	20·674	2·851
2939	15	25·045	2·701
2940	19	25·673	2·451
2941	21	0·831	3·664
2942*	31	0·881	3·870
2943*	44	1·716	3·890
2944	38	2·820	3·544
2945	15	5·944	3·587
2946	14	7·539	3·626
2947	12	10·381	3·510
2948	10	14·210	3·656
2949	14	15·907	3·077
2950	10	18·804	3·396
2951	14	21·535	3·116
2952	15	21·595	3·008
2953	16	22·762	3·500
2954	17	25·582	3·111
2955	15	2·324	4·474
2956	15	3·290	4·704

2957	15	6·012	4·1
2958	14	7·584	4·1
2959*	40	8·457	4·0
2960	15	10·088	4·8
2961	14	11·347	4·4
2962	12	11·824	4·1
2963	13	12·724	4·2
2964	13	13·093	4·8
2965	14	13·216	4·2
2966	16	17·041	4·4
2967	10	17·110	4·6
2968	11	18·906	4·6
2969	13	20·684	4·5
2970	20	23·664	4·4
2971	18	0·752	5·7
2972	24	1·298	5·6
2973	14	7·136	5·7
2974	13	8·508	5·3
2975	14	10·016	5·8
2976	13	10·606	5·3
2977	10	11·023	5·8
2978	16	11·599	5·0
2979	11	12·538	5·0
2980	20	13·165	5·7
2981	14	15·736	5·0
2982	15	15·824	5·3
2983	14	16·237	5·6
2984	15	16·451	5·1
2985	13	18·357	5·7
2986	22	18·434	5·0
2987	14	23·800	5·7
2988	14	24·403	5·3
2989	20	1·746	6·1
2990	11	2·816	6·2
2991	14	8·840	6·0
2992	11	10·919	6·5
2993	13	19·038	6·1
2994	12	20·383	6·4
2995*	33	21·018	6·8
2996*	27	23·955	6·0
2997	15	25·856	6·2
2998*	16	1·392	7·9
2999	15	11·137	7·6
3000	20	14·521	7·3
3001	11	22·119	7·2
3002	13	24·102	7·8
3003	15	0·125	8·8
3004	20	0·904	8·4
3005	15	3·446	8·0
3006	21	3·766	8·5
3007	15	4·118	8·5
3008	18	5·370	8·1
3009	21	5·869	8·1
3010	15	5·974	8·71
3011	16	9·182	8·80
3012	14	9·339	8·70
3013	23	10·193	8·45
3014	15	12·394	8·13
3015	15	13·214	8·13
3016	16	13·763	8·85
3017	15	14·496	8·92
3018	14	17·369	8·21
3019*	30	19·176	8·21
3020	14	19·893	8·45
3021	16	21·892	8·33
3022	14	22·164	8·37
3023	17	22·845	8·32
3024	25	0·383	9·47
3025	18	2·579	9·40
3026	14	6·931	9·45
3027	15	8·426	9·31
3028	16	8·625	9·26
3029	14	10·530	9·98
3030	15	10·680	9·49

No.	d	x	y
3031	18	12·737	9·720
3032	13	17·092	9·525
3033	12	21·021	9·460
3034	11	24·990	9·048
3035	15	25·184	9·690
3036*	48	1·920	10·035
3037	18	4·446	10·180
3038	13	6·002	10·532
3039	10	6·089	10·301
3040	26	8·160	10·251
3041	21	10·885	10·850
3042	25	14·045	10·220
3043	14	19·648	10·112
3044	11	20·287	10·973
3045	14	22·551	10·529
3046	15	23·070	10·125
3047	14	23·566	10·923
3048	15	24·050	10·646
3049	15	24·754	10·393
3050	15	25·978	10·582
3051	11	2·208	11·617
3052	21	3·614	11·655
3053	15	7·444	11·321
3054	13	7·521	11·604
3055	22	8·844	11·894
3056*	29	9·188	11·114
3057	14	16·637	11·619
3058	20	20·324	11·810
3059	13	20·332	11·962
3060	23	22·942	11·399
3061	13	24·614	11·690
3062	15	0·699	12·706
3063	17	1·348	12·551
3064	14	1·442	12·064
3065	15	3·640	12·492
3066	14	4·888	12·791
3067	13	9·572	12·842
3068	20	12·130	12·271
3069	15	14·451	12·962
3070	14	14·784	12·333
3071	15	17·694	12·601
3072	20	21·566	12·586
3073	15	23·771	12·950
3074	18	23·899	12·041
3075	15	0·090	13·893
3076	27	0·769	13·593
3077	16	2·381	13·020
3078	16	2·805	13·779
3079	15	5·157	13·595
3080	15	6·613	13·734
3081	20	7·577	13·649
3082	13	8·729	13·346
3083	20	9·673	13·691
3084	12	13·279	13·454
3085	14	13·985	13·670
3086	15	16·035	13·079
3087	19	18·211	13·349
3088	16	19·770	13·758
3089	13	20·217	13·040
3090	10	20·492	13·831
3091	14	20·851	13·021
3092	10	25·440	13·714
3093	15	0·962	14·279
3094	14	3·303	14·823
3095	10	4·830	14·683
3096	17	4·949	14·390
3097	12	8·783	14·684
3098	13	9·228	14·849
3099	20	9·707	14·724
3100*	43	10·591	14·314
3101*	22	13·660	14·294
3102	11	19·723	14·908
3103	15	0·087	15·688
3104*	23	2·468	15·694

No.	d	x	y
3105	35	2·491	15·554
3106	14	3·341	15·674
3107	13	5·428	15·398
3108	13	5·659	15·121
3109	11	7·310	15·536
3110*	28	14·321	15·208
3111	11	14·461	15·590
3112	15	19·437	15·231
3113	16	20·018	15·468
3114	13	21·588	15·071
3115	14	21·725	15·891
3116	15	25·116	15·630
3117	16	2·889	16·308
3118	16	3·323	16·180
3119	13	3·425	16·181
3120	20	4·688	16·999
3121	14	6·275	16·491
3122	13	6·617	16·738
3123	11	7·261	16·903
3124	15	7·697	16·147
3125	10	7·720	16·142
3126	18	11·582	16·780
3127	14	16·210	16·049
3128	14	18·058	16·849
3129	13	20·614	16·403
3130	12	21·100	16·852
3131	11	21·424	16·267
3132	10	22·824	16·981
3133*	18	22·894	16·995
3134	14	22·914	16·962
3135	18	25·770	16·929
3136	23	0·196	17·314
3137	21	1·228	17·169
3138	24	2·021	17·541
3139	18	3·880	17·741
3140	13	7·277	17·329
3141	10	8·050	17·534
3142	10	11·489	17·843
3143	20	13·040	17·926
3144	16	16·211	17·587
3145	23	25·576	17·172
3146	14	25·679	17·393
3147	14	25·765	17·580
3148	15	0·253	18·366
3149	13	1·516	18·617
3150	14	1·700	18·403
3151	15	3·446	18·950
3152	13	6·866	18·341
3153	19	8·206	18·573
3154	12	10·268	18·357
3155	18	11·380	18·251
3156	10	11·419	18·887
3157	10	11·602	18·320
3158	11	11·893	18·643
3159	20	13·338	18·856
3160	11	13·796	18·128
3161	19	14·320	18·149
3162	13	16·294	18·378
3163	14	20·371	18·310
3164	11	21·962	18·624
3165	23	4·263	19·885
3166	13	10·613	19·863
3167	25	10·945	19·836
3168	20	15·756	19·431
3169	16	18·379	19·315
3170*	33	18·521	19·206
3171	11	21·137	19·200
3172	13	21·595	19·290
3173	14	22·434	19·290
3174	18	23·743	19·381
3175	11	25·457	19·068
3176	20	2·960	20·523
3177	14	4·549	20·216
3178*	28	4·635	20·573

No.	d	x	y
3179	13	6·299	20·261
3180	11	10·466	20·930
3181	10	12·785	20·885
3182	11	14·463	20·250
3183	20	15·404	20·458
3184	17	17·149	20·627
3185	13	19·081	20·302
3186	15	19·995	20·043
3187	14	22·805	20·441
3188*	50	23·226	20·866
3189	13	23·754	20·064
3190	10	25·581	20·997
3191*	35	2·655	21·788
3192	16	3·644	21·765
3193	18	4·794	21·641
3194	13	5·345	21·192
3195	14	8·178	21·016
3196	20	8·442	21·592
3197	10	8·683	21·762
3198	17	10·041	21·002
3199	18	11·253	21·642
3200	18	11·546	21·492
3201	20	12·200	21·822
3202	22	12·220	21·772
3203	11	12·780	21·879
3204	20	18·170	21·994
3205	10	18·556	21·866
3206	10	19·335	21·880
3207*	22	19·822	21·081
3208	10	21·891	21·040
3209	10	22·183	21·484
3210	13	24·522	21·160
3211	23	1·989	22·475
3212	13	5·992	22·042
3213	19	6·079	22·598
3214	15	10·150	22·609
3215	14	11·301	22·415
3216	14	15·118	22·948
3217	14	17·357	22·579
3218	11	18·343	22·226
3219	22	22·761	22·465
3220	15	5·972	23·370
3221	10	9·275	23·044
3222	21	9·427	23·990
3223	12	9·566	23·919
3224*	23	14·152	23·400
3225	10	15·260	23·401
3226	11	16·028	23·513
3227	15	17·262	23·291
3228	11	18·746	23·572
3229	12	20·384	23·713
3230	23	23·401	23·461
3231	16	5·649	24·436
3232	11	11·621	24·738
3233	14	11·986	24·081
3234	12	15·745	24·833
3235	13	16·264	24·040
3236	18	17·385	24·910
3237	14	17·831	24·246
3238	24	24·096	24·899
3239*	62	24·544	24·788
3240	15	24·749	24·809
3241	27	2·618	25·540
3242*	23	6·470	25·060
3243	13	7·833	25·212
3244	23	10·340	25·177
3245	15	10·422	25·445
3246	13	12·470	25·975
3247	11	12·612	25·357
3248	16	12·980	25·521
3249	14	13·091	25·090
3250	12	14·697	25·464
3251	14	15·166	25·296
3252	14	15·458	25·161

No.	d	x	y
3253	16	15·609	25·232
3254	14	20·968	25·187
3255*	34	21·916	25·561
3256	18	24·026	25·091
3257	25	25·607	25·191

R. A. 1h 43m

Plate 2040; 1902 Nov. 7.

Provisional Constants.

A	B	C
−·00034	+·00077	−·1374

D	E	F
−·00045	−·00075	−·4126

Mag. = 16·1 − 1·36 $\sqrt{d}$

No.	d	x	y
3301	35	1·098	0·390
3302	14	2·776	0·502
3303	20	4·424	0·245
3304	14	7·162	0·894
3305	11	9·871	0·524
3306	11	12·624	0·226
3307*	20	13·594	0·844
3308	11	17·187	0·855
3309	10	17·250	0·425
3310	10	17·492	0·075
3311*	30	17·762	0·300
3312	11	18·274	0·404
3313	14	18·402	0·843
3314	10	19·331	0·180
3315	11	21·341	0·403
3316	14	24·372	0·759
3317*	27	25·035	0·474
3318	25	5·738	1·670
3319	11	10·905	1·831
3320	11	11·909	1·087
3321	14	15·217	1·950
3322	13	22·463	1·010
3323	14	2·587	2·458
3324	22	5·755	2·670
3325	11	6·470	2·932
3326	21	8·133	2·833
3327*	22	8·555	2·490
3328	14	16·262	2·171
3329	12	17·750	2·700
3330	20	18·037	2·814
3331	10	21·467	2·290
3332	15	2·509	3·117
3333	14	3·603	3·538
3334	14	6·205	3·616
3335*	25	6·468	3·754
3336	10	6·552	3·978
3337	12	6·838	3·906
3338	14	7·761	3·156
3339	13	8·474	3·729
3340	13	11·227	3·035
3341	16	12·071	3·736
3342*	33	12·276	3·949
3343	11	12·550	3·009
3344	19	13·061	3·050
3345*	20	16·661	3·654
3346	10	20·821	3·882

No.	d	x	y
3347	15	24·571	3·366
3348	18	0·612	4·464
3349*	33	7·573	4·111
3350	10	8·655	4·260
3351	20	10·162	4·374
3352*	14	11·242	4·890
3353	10	15·040	4·226
3354*	35	17·214	4·282
3355	14	17·342	4·694
3356	10	18·397	4·667
3357	11	24·660	4·337
3358	10	5·754	5·722
3359	10	8·399	5·458
3360	16	8·507	5·638
3361*	28	17·379	5·526
3362	14	20·651	5·695
3363	19	21·300	5·977
3364*	37	0·926	6·090
3365	18	5·650	6·113
3366	12	8·268	6·292
3367	10	9·075	6·429
3368	14	9·507	6·786
3369	11	13·402	6·179
3370	13	15·699	6·303
3371	14	16·066	6·460
3372	10	21·526	6·318
3373	13	4·548	7·140
3374*	22	4·714	7·281
3375	20	7·821	7·630
3376	11	8·355	7·201
3377	12	11·009	7·441
3378	20	16·170	7·812
3379	15	18·211	7·198
3380	10	23·292	7·050
3381	10	23·414	7·397
3382	19	25·097	7·881
3383	24	25·707	7·690
3384	18	25·870	7·807
3385	14	9·200	8·910
3386	11	9·215	8·500
3387	13	12·810	8·971
3388	11	15·885	8·077
3389	13	2·208	9·704
3390	11	3·508	9·301
3391	10	5·025	9·378
3392	10	5·390	9·330
3393	14	10·958	9·274
3394	18	14·484	9·235
3395*	29	15·167	9·666
3396	14	15·782	9·718
3397	15	17·522	9·381
3398	10	19·860	9·880
3399	10	20·577	9·945
3400	18	21·834	9·943
3401	12	22·311	9·200
3402	12	23·111	9·502
3403	10	23·470	9·211
3404	14	0·102	10·170
3405	13	1·792	10·410
3406	10	3·019	10·582
3407	10	4·311	10·038
3408	11	5·534	10·500
3409	12	9·926	10·847
3410*	22	11·072	10·959
3411	12	14·325	10·573
3412	14	24·729	10·240
3413	15	25·178	10·434
3414	18	25·802	10·468
3415	14	1·674	11·712
3416	14	5·456	11·407
3417	14	8·085	11·757
3418	10	8·636	11·820
3419*	20	16·769	11·033
3420*	30	16·796	11·340

No.	d	x	y
3421	13	19·550	11·326
3422	10	20·350	11·392
3423	14	22·355	11·674
3424*	17	22·530	11·624
3425	24	0·963	12·072
3426*	23	6·280	12·436
3427	11	8·478	12·791
3428	12	10·745	12·574
3429	14	17·352	12·770
3430	14	18·267	12·972
3431	11	18·988	12·055
3432	10	19·211	12·490
3433	16	20·680	12·618
3434	12	21·450	12·931
3435*	22	22·791	12·156
3436	16	22·814	12·150
3437	10	23·985	12·965
3438	10	25·393	12·485
3439	11	25·947	12·755
3440	12	6·215	13·159
3441	10	6·320	13·869
3442	9	7·027	13·463
3443	10	10·655	13·414
3444	17	12·070	13·266
3445	19	13·824	13·464
3446	14	16·099	13·538
3447	14	18·138	13·987
3448	11	20·322	13·243
3449	14	20·539	13·874
3450	10	21·982	13·060
3451	14	22·374	13·471
3452	10	23·918	13·811
3453	12	4·346	14·901
3454	18	8·072	14·057
3455	10	10·636	14·079
3456	15	10·951	14·221
3457	14	14·492	14·161
3458	15	17·030	14·790
3459	13	20·180	14·789
3460*	20	24·234	14·355
3461	14	2·234	15·641
3462	11	4·592	15·220
3463	14	4·764	15·223
3464	10	4·960	15·942
3465	14	5·034	15·296
3466	10	6·246	15·314
3467	13	7·827	15·860
3468	10	8·274	15·088
3469	15	13·500	15·540
3470	14	15·610	15·694
3471	10	21·182	15·530
3472	10	23·966	15·759
3473	14	24·516	15·361
3474	17	2·910	16·930
3475	13	3·939	16·670
3476	10	6·620	16·010
3477	10	7·437	16·727
3478	13	14·658	16·805
3479	10	15·239	16·054
3480*	24	16·147	16·131
3481	10	21·874	16·495
3482	19	0·034	17·042
3483	14	0·056	17·006
3484	22	2·719	17·177
3485	13	2·912	17·583
3486*	20	6·490	17·310
3487	11	6·790	17·309
3488	10	11·432	17·260
3489	13	18·842	17·613
3490	14	25·360	17·242
3491	10	6·191	18·840
3492	10	7·655	18·122
3493	14	9·360	18·561
3494	20	9·362	18·157

No.	d	x	y
3495	14	10·737	18·732
3496	10	12·602	18·502
3497	10	16·983	18·927
3498	10	19·263	18·880
3499	12	21·320	18·380
3500	12	23·351	18·824
3501	14	23·780	18·720
3502	13	24·020	18·897
3503*	40	25·000	18·004
3504*	20	25·145	18·711
3505	11	25·591	18·020
3506	13	25·610	18·009
3507	17	0·917	19·413
3508	12	4·801	19·602
3509	10	6·688	19·954
3510	14	7·661	19·070
3511*	20	9·586	19·371
3512	13	12·124	19·947
3513	10	13·318	19·894
3514	19	15·376	19·318
3515	14	18·375	19·748
3516	10	19·622	19·570
3517	10	21·862	19·770
3518	12	23·214	19·563
3519	16	23·777	19·990
3520	12	24·064	19·174
3521	14	25·307	19·524
3522*	75	0·426	20·904
3523	12	5·781	20·410
3524	10	6·434	20·255
3525	10	9·620	20·782
3526	13	9·624	20·930
3527	13	9·753	20·195
3528	10	10·294	20·676
3529	12	11·790	20·851
3530	10	12·139	20·925
3531	20	13·552	20·965
3532	12	15·299	20·284
3533	19	25·139	20·906
3534	13	7·343	21·542
3535	10	7·697	21·490
3536	10	7·964	21·284
3537	10	8·628	21·194
3538	11	11·393	21·766
3539	12	11·429	21·860
3540	10	12·811	21·878
3541	10	15·079	21·252
3542	21	15·902	21·891
3543	11	16·620	21·361
3544	10	18·030	21·782
3545	10	19·395	21·117
3546	12	21·662	21·980
3547	16	21·726	21·290
3548*	25	23·659	21·221
3549	10	8·799	22·924
3550	13	8·955	22·018
3551	10	10·541	22·185
3552	20	13·204	22·990
3553	10	15·583	22·541
3554	10	16·049	22·642
3555	14	16·530	22·527
3556	19	20·367	22·792
3557	13	23·102	22·500
3558	22	0·640	23·499
3559	15	7·335	23·201
3560	14	7·536	23·658
3561	12	8·170	23·657
3562*	22	9·496	23·718
3563	10	11·099	23·145
3564	10	11·432	23·498
3565	11	13·320	23·922
3566*	25	14·409	23·692
3567	13	15·674	23·651
3568	19	15·896	23·501

No.	d	x	y
3569	13	18·724	23·664
3570	14	19·254	23·209
3571	10	23·801	23·143
3572	18	24·670	23·354
3573	12	24·764	23·432
3574	13	24·968	23·260
3575	20	1·357	24·926
3576*	75	1·804	24·806
3577	13	10·332	24·460
3578	10	10·835	24·624
3579	10	19·900	24·582
3580	13	20·281	24·656
3581	10	23·402	24·991
3582	18	2·875	25·194
3583	14	8·094	25·809
3584	20	8·174	25·969
3585	10	16·362	25·020
3586	13	16·484	25·389
3587	18	18·084	25·991
3588	14	20·020	25·612
3589	13	20·915	25·475
3590	13	22·337	25·329
3591	21	22·419	25·663

R. A. 1^h 52^m

Plate 2041; 1902 Nov. 7.

Provisional Constants.

A	B	C
−·00038	+·00555	−·2855
D	**E**	**F**
−·00536	−·00076	−·4011

Mag. $= 16·1 - 1·36\sqrt{d}$

No.	d	x	y
3601*	50	1·511	0·480
3602	10	5·812	0·347
3603	12	8·438	0·590
3604*	28	9·227	0·065
3605	10	9·793	0·942
3606	11	11·541	0·260
3607	12	13·114	0·117
3608	10	16·349	0·345
3609	8	16·633	0·937
3610	9	18·291	0·286
3611	15	3·164	1·776
3612	9	8·862	1·577
3613	19	9·030	1·130
3614	9	11·043	1·765
3615	12	11·274	1·622
3616*	15	11·276	1·630
3617	11	11·468	1·333
3618	15	12·704	1·335
3619	12	13·481	1·218
3620	17	13·659	1·842
3621	9	20·217	1·482
3622	20	3·418	2·090
3623	11	7·920	2·130
3624	14	8·110	2·680
3625	20	10·534	2·452
3626	10	11·146	2·444
3627	13	11·757	2·462
3628	10	12·988	2·621
3629	22	13·630	2·964

No.	d	x	y
3630	8	18·247	2·264
3631	14	20·194	2·815
3632	8	21·125	2·655
3633	10	23·858	2·960
3634	29	1·118	3·382
3635	16	2·704	3·778
3636	22	3·875	3·125
3637	10	5·185	3·560
3638	8	7·682	3·311
3639*	22	8·157	3·659
3640	8	9·140	3·476
3641	8	11·739	3·299
3642	9	11·916	3·029
3643	10	13·386	3·996
3644*	11	17·441	3·424
3645	8	21·894	3·758
3646	9	22·850	3·541
3647	14	1·229	4·350
3648	13	2·772	4·836
3649	9	5·450	4·225
3650	9	8·030	4·549
3651	12	9·242	4·118
3652	8	10·296	4·896
3653	10	10·711	4·161
3654	8	11·047	4·242
3655	10	13·555	4·159
3656	12	25·014	4·737
3657	22	10·775	5·716
3658	10	12·275	5·084
3659*	30	12·770	5·429
3660	8	15·117	5·427
3661	10	15·333	5·530
3662	8	16·090	5·997
3663	10	19·202	5·782
3664*	19	10·625	6·969
3665*	40	10·846	6·965
3666	14	16·200	6·576
3667	10	16·400	6·850
3668	10	23·515	6·204
3669	24	1·755	7·882
3670	43	2·361	7·677
3671	22	2·526	7·788
3672	13	3·989	7·733
3673	14	7·898	7·125
3674	8	8·605	7·159
3675	19	8·806	7·248
3676*	32	11·309	7·424
3677	28	16·623	7·484
3678	8	23·741	7·469
3679	9	24·632	7·653
3680	10	3·415	8·276
3681	8	7·613	8·342
3682	9	8·122	8·257
3683	10	8·640	8·745
3684	11	8·855	8·950
3685	14	9·598	8·285
3686*	42	13·544	8·292
3687	8	18·714	8·200
3688	12	19·562	8·454
3689	8	22·549	8·065
3690	10	25·109	8·332
3691	12	14·852	9·065
3692	14	16·629	9·224
3693	8	23·846	9·519
3694	7	24·367	9·449
3695	18	1·446	10·250
3696	18	1·900	10·431
3697	20	2·526	10·450
3698	25	3·570	10·693
3699	18	3·840	10·920
3700*	20	7·530	10·199
3701*	16	13·660	10·157
3702	14	18·779	10·250
3703	10	19·751	10·228

No.	d	x	y
3704*	31	19·819	10·781
3705	8	5·540	11·187
3706	8	6·658	11·299
3707	10	7·413	11·229
3708*	28	18·535	11·010
3709	8	20·263	11·174
3710	8	22·764	11·989
3711	12	0·774	12·990
3712	11	2·729	12·734
3713	11	3·323	12·174
3714	11	10·419	12·119
3715*	22	11·462	12·191
3716*	24	11·770	12·306
3717	14	13·683	12·038
3718	10	15·726	12·82
3719	11	16·052	12·76
3720*	23	21·567	12·58
3721	8	21·818	12·53
3722	7	7·093	13·82
3723*	22	12·222	13·51
3724*	29	12·650	13·73
3725	11	17·874	13·34
3726	9	22·143	13·93
3727	8	23·238	13·86
3728*	22	24·689	13·47
3729	10	24·911	13·28
3730	10	25·709	13·64
3731*	38	1·054	14·37
3732	8	6·125	14·55
3733	8	6·954	14·69
3734*	24	7·744	14·34
3735	10	15·209	14·96
3736	10	15·350	14·61
3737	13	18·310	14·74
3738	14	18·640	14·14
3739*	31	19·336	14·93
3740	19	19·832	14·59
3741	19	20·784	14·72
3742	8	20·840	14·51
3743	14	23·332	14·72
3744	15	0·822	15·78
3745	20	1·361	15·37
3746	9	3·036	15·69
3747	8	5·421	15·62
3748	10	5·714	15·65
3749	8	7·811	15·57
3750	12	12·591	15·66
3751	16	16·716	15·49
3752	10	21·230	15·41
3753	8	24·780	15·12
3754	8	4·400	16·32
3755	18	4·668	16·75
3756*	32	4·693	16·92
3757	10	4·904	16·99
3758	8	7·780	16·13
3759	10	11·587	16·53
3760	10	15·487	16·05
3761	16	15·752	16·59
3762*	20	21·397	16·02
3763	9	22·836	16·23
3764	18	3·929	17·19
3765	9	7·213	17·33
3766*	28	14·466	17·80
3767	11	15·174	17·33
3768	14	16·126	17·34
3769	9	19·044	17·29
3770*	30	19·090	17·43
3771	9	19·721	17·16
3772	8	20·181	17·53
3773	10	22·355	17·96
3774	8	22·482	17·15
3775	23	0·285	18·86
3776	22	0·711	18·75
3777	23	0·955	18·91

No.	d	x	y
3778*	50	1·911	18·001
3779*	38	2·073	18·707
3780	27	2·515	18·000
3781	15	3·073	18·919
3782	14	6·576	18·498
3783	8	8·515	18·304
3784	10	14·965	18·606
3785	20	18·765	18·825
3786	8	19·388	18·980
3787	20	22·232	18·725
3788	8	24·264	18·760
3789	13	25·401	18·405
3790	15	1·006	19·196
3791	22	2·255	19·516
3792	14	3·210	19·360
3793	10	5·866	19·740
3794	8	8·166	19·675
3795	8	8·370	19·854
3796*	29	12·250	19·115
3797	8	14·534	19·425
3798	10	16·797	19·490
3799	12	17·636	19·100
3800	8	17·880	19·129
3801	8	19·842	19·418
3802	8	23·603	19·141
3803	28	0·738	20·017
3804	22	2·122	20·902
3805	12	11·098	20·699
3806	12	15·000	20·745
3807	10	17·311	20·155
3808	13	18·265	20·654
3809	12	20·447	20·365
3810	8	22·846	20·683
3811*	24	22·898	20·166
3812*	45	0·650	21·250
3813	13	4·307	21·402
3814	9	10·900	21·524
3815	21	19·655	21·046
3816	8	20·854	21·167
3817	14	21·791	21·237
3818	9	23·344	21·219
3819	8	23·752	21·395
3820	12	24·308	21·449
3821	14	3·248	22·882
3822	20	5·565	22·198
3823	12	8·079	22·573
3824	20	12·587	22·525
3825	10	17·207	22·680
3826	8	18·783	22·531
3827	8	20·846	22·062
3828	12	21·274	22·280
3829	8	21·854	22·765
3830	10	21·984	22·856
3831	22	1·715	23·362
3832	14	2·013	23·258
3833	22	5·434	23·055
3834*	22	7·514	23·350
3835*	26	7·715	23·775
3836	8	10·821	23·188
3837	14	14·529	23·024
3838	8	14·926	23·333
3839	10	19·590	23·379
3840	10	23·320	23·985
3841	13	6·837	24·194
3842	14	7·058	24·039
3843	8	11·130	24·476
3844	14	11·365	24·546
3845	10	14·328	24·597
3846	12	14·563	24·582
3847	10	14·886	24·155
3848	11	16·969	24·942
3849	9	18·309	24·324
3850	8	21·193	24·256
3851	25	3·218	25·527
3852	13	8·834	25·200
3853	12	10·055	25·981
3854	10	11·026	25·958
3855	18	24·400	25·666

R.A. 2h 1m

Plate 2087; 1903 Feb. 6.

Provisional Constants.

A	B	C
−·00035	+·00043	−·1102
D	**E**	**F**
−·00009	−·00063	+·0109

Mag. $= 16·4 - 1·36\sqrt{d}$

No.	d	x	y
3901	22	2·810	0·450
3902	20	3·239	0·314
3903	10	8·965	0·706
3904	10	9·650	0·150
3905	14	10·866	0·270
3906	10	11·548	0·300
3907*	26	12·194	0·274
3908	17	13·630	0·130
3909	22	13·860	0·551
3910	16	17·253	0·200
3911	10	18·777	0·897
3912	22	19·422	0·741
3913	10	20·907	0·447
3914*	23	21·430	0·071
3915	12	22·361	0·072
3916	12	5·099	1·281
3917	11	9·921	1·608
3918	11	12·355	1·872
3919	9	14·161	1·736
3920	12	14·491	1·362
3921	9	14·560	1·706
3922	10	16·058	1·020
3923	10	16·279	1·346
3924	9	17·950	1·655
3925	12	22·718	1·656
3926	15	22·745	1·188
3927	11	24·795	1·120
3928	24	4·424	2·789
3929	15	5·255	2·620
3930	12	7·849	2·794
3931	11	10·290	2·747
3932	11	13·535	2·755
3933	10	13·952	2·895
3934	10	15·230	2·709
3935	10	18·107	2·240
3936	9	18·116	2·002
3937	9	21·086	2·470
3938	10	21·794	2·711
3939	11	21·834	2·750
3940	10	22·624	2·700
3941	10	23·895	2·385
3942	18	0·691	3·511
3943*	40	7·600	3·770
3944	14	10·675	3·872
3945	10	12·933	3·990
3946	10	13·310	3·300
3947	14	15·264	3·091

No.	d	x	y
3948	9	15·315	3·809
3949	17	15·790	3·652
3950	17	16·405	3·852
3951	15	18·694	3·490
3952	10	19·055	3·632
3953	10	19·157	3·672
3954	10	20·840	3·966
3955	10	21·321	3·015
3956	11	23·269	3·850
3957	10	23·474	3·090
3958	9	4·786	4·621
3959	23	10·430	4·706
3960	13	11·312	4·570
3961	21	14·497	4·839
3962	8	14·832	4·622
3963	10	15·231	4·220
3964	10	15·270	4·505
3965	10	17·844	4·216
3966	9	18·153	4·350
3967*	30	18·160	4·535
3968	10	19·550	4·740
3969	12	22·131	4·920
3970	10	23·736	4·360
3971	12	25·691	4·064
3972	23	1·874	5·274
3973	12	8·291	5·596
3974	10	8·598	5·900
3975	9	13·829	5·200
3976	21	15·151	5·280
3977*	19	20·123	5·166
3978	21	0·396	6·763
3979	21	4·008	6·955
3980	11	8·314	6·860
3981	12	9·236	6·864
3982	10	10·731	6·276
3983	11	12·110	6·605
3984	11	12·544	6·011
3985	10	13·610	6·331
3986	10	16·595	6·046
3987	10	17·830	6·658
3988	9	21·760	6·107
3989	10	25·110	6·149
3990	9	7·060	7·049
3991	10	7·876	7·345
3992	12	8·566	7·014
3993	25	9·951	7·231
3994*	33	11·554	7·208
3995	9	11·801	7·578
3996	11	12·446	7·314
3997	14	13·630	7·919
3998	14	13·904	7·500
3999	12	14·311	7·855
4000	10	15·160	7·795
4001	9	18·360	7·813
4002	20	19·292	7·790
4003	9	23·619	7·467
4004	10	24·494	7·173
4005	13	24·901	7·935
4006	22	1·537	8·194
4007	23	2·025	8·865
4008	10	5·050	8·891
4009*	30	7·884	8·063
4010	12	8·921	8·185
4011	16	9·930	8·090
4012	12	13·676	8·468
4013	12	17·420	8·694
4014	12	20·897	8·962
4015	8	21·191	8·186
4016	20	22·944	8·956
4017	9	23·762	8·820
4018	8	23·770	8·685
4019	12	24·321	8·209
4020	10	1·300	9·992
4021	25	3·259	9·364

No.	d	x	y
4022	20	3·975	9·522
4023	21	5·165	9·139
4024	10	6·047	9·624
4025	9	7·311	9·030
4026	11	7·418	9·495
4027	20	7·845	9·139
4028*	27	8·026	9·314
4029	9	8·495	9·710
4030	14	13·435	9·894
4031	10	16·535	9·897
4032	21	17·373	9·524
4033	21	18·471	9·286
4034	13	19·560	9·225
4035*	21	20·989	9·621
4036	10	23·055	9·920
4037	9	23·837	9·034
4038	12	0·782	10·070
4039	10	5·967	10·436
4040	21	8·716	10·973
4041	10	10·874	10·639
4042	16	11·672	10·375
4043	10	21·938	10·884
4044	10	23·065	10·165
4045	10	23·666	10·625
4046	15	24·296	10·285
4047	12	25·590	10·541
4048	10	25·798	10·408
4049	11	5·118	11·568
4050*	33	5·418	11·805
4051	13	7·378	11·642
4052	10	7·724	11·092
4053	12	8·599	11·433
4054	13	12·045	11·916
4055*	22	17·280	11·996
4056	10	17·395	11·866
4057	10	18·037	11·274
4058	12	18·440	11·536
4059	11	21·440	11·693
4060	12	23·536	11·608
4061	11	23·692	11·634
4062	10	23·986	11·516
4063	10	3·984	12·984
4064	10	4·076	12·631
4065	9	4·438	12·644
4066	9	6·744	12·830
4067	10	7·399	12·500
4068	11	8·206	12·675
4069	10	9·510	12·430
4070	12	11·490	12·450
4071	12	20·969	12·746
4072	9	22·359	12·691
4073	12	22·490	12·770
4074	9	22·800	12·936
4075	19	1·904	13·820
4076	29	3·516	13·186
4077	13	11·130	13·822
4078	14	13·922	13·440
4079	20	14·740	13·066
4080	16	15·195	13·960
4081	30	16·875	13·429
4082	14	18·154	13·036
4083	10	21·968	13·805
4084*	60	24·636	13·720
4085*	43	1·683	14·014
4086	14	2·707	14·165
4087	12	3·611	14·909
4088	9	4·440	14·050
4089	10	4·660	14·770
4090	10	6·393	14·350
4091	9	7·054	14·565
4092	10	7·416	14·893
4093	11	8·505	14·376
4094	20	17·030	14·194
4095*	28	20·245	14·659

No.	d	x	y
4096	14	20·745	14·709
4097	10	25·623	14·460
4098	31	0·345	15·288
4099	12	1·800	15·660
4100	25	3·099	15·000
4101	19	6·460	15·896
4102	18	6·992	15·264
4103	12	7·374	15·619
4104	10	8·270	15·639
4105	10	8·713	15·524
4106	10	8·870	15·280
4107	10	9·380	15·422
4108	14	13·736	15·160
4109	18	14·860	15·327
4110	14	15·197	15·755
4111	10	15·744	15·147
4112	10	16·329	15·295
4113	16	16·954	15·244
4114	15	21·375	15·290
4115	11	21·570	15·490
4116	9	5·547	16·296
4117	9	7·318	16·546
4118	13	9·214	16·060
4119	10	9·461	16·241
4120	11	11·630	16·155
4121	20	13·955	16·430
4122	21	14·684	16·496
4123	11	17·720	16·270
4124	10	18·831	16·242
4125	12	21·309	16·430
4126*	31	21·490	16·260
4127	10	23·202	16·586
4128	12	24·715	16·128
4129	11	25·471	16·562
4130*	30	4·704	17·920
4131	11	6·786	17·307
4132	15	8·449	17·528
4133	10	9·765	17·272
4134	11	9·782	17·213
4135	9	11·970	17·634
4136	20	12·700	17·270
4137	11	19·714	17·791
4138	10	20·080	17·113
4139	18	22·076	17·595
4140	9	22·081	17·286
4141	16	24·511	17·480
4142	10	25·098	17·193
4143	23	25·376	17·341
4144	28	2·470	18·934
4145	20	3·102	18·618
4146	13	4·255	18·220
4147	18	4·349	18·504
4148	14	4·419	18·486
4149	10	5·110	18·629
4150	9	5·700	18·011
4151	12	8·072	18·021
4152	12	8·195	18·570
4153	10	10·490	18·958
4154	10	11·380	18·407
4155	10	15·381	18·892
4156	12	15·882	18·530
4157	9	17·488	18·446
4158	9	25·170	18·595
4159	21	1·337	19·307
4160	22	5·929	19·140
4161	10	6·190	19·142
4162	10	7·506	19·822
4163	10	11·470	19·242
4164	10	11·529	19·374
4165	10	14·216	19·689
4166	15	14·680	19·919
4167	20	15·448	19·348
4168	15	16·750	19·704
4169	9	18·060	19·885

No.	d	x	y
4170	9	19·834	19·032
4171	12	23·362	19·800
4172	11	23·500	19·223
4173	12	24·428	19·680
4174	12	25·166	19·576
4175	9	4·267	20·621
4176	22	5·145	20·775
4177	11	6·140	20·030
4178	10	8·541	20·487
4179	9	9·647	20·017
4180	9	15·414	20·330
4181	9	15·473	20·073
4182	18	16·270	20·697
4183	10	18·088	20·345
4184	10	18·470	20·049
4185	10	21·234	20·616
4186	9	21·765	20·920
4187	11	22·851	20·342
4188	30	24·390	20·306
4189	22	0·455	21·780
4190	21	1·425	21·991
4191	17	3·810	21·848
4192	12	6·175	21·244
4193	10	9·360	21·750
4194	12	10·025	21·040
4195	10	11·021	21·787
4196	9	11·061	21·780
4197	11	14·180	21·542
4198	10	15·928	21·041
4199	10	18·755	21·983
4200	15	3·507	22·790
4201	12	3·843	22·736
4202	20	4·314	22·365
4203	12	5·577	22·739
4204	18	5·606	22·701
4205	11	7·729	22·850
4206	12	8·396	22·587
4207	11	10·095	22·486
4208	10	10·314	22·574
4209	10	10·520	22·600
4210	18	13·574	22·064
4211	21	15·940	22·652
4212	20	16·018	22·050
4213	10	17·189	22·960
4214	15	23·570	22·207
4215	10	25·514	22·673
4216	30	3·921	23·658
4217*	41	3·925	23·963
4218	11	7·622	23·885
4219	10	9·999	23·481
4220	11	11·660	23·080
4221	10	12·924	23·224
4222	12	13·537	23·525
4223	10	14·571	23·999
4224	14	16·749	23·650
4225	11	17·404	23·875
4226*	38	20·065	23·130
4227	11	21·876	23·556
4228	20	22·749	23·760
4229	11	23·120	23·764
4230	27	24·220	23·346
4231	18	24·233	23·222
4232	10	6·561	24·755
4233	12	8·140	24·553
4234	11	11·841	24·433
4235	9	13·446	24·661
4236	12	15·980	24·560
4237	10	18·831	24·802
4238	9	19·897	24·085
4239	20	20·393	24·990
4240	15	22·599	24·112
4241	10	22·724	24·585
4242	17	23·431	24·604
4243	19	24·695	24·692
4244	16	25·356	24·689
4245	16	25·590	24·359
4246	16	6·650	25·057
4247	27	7·275	25·396
4248	18	7·665	25·233
4249	13	8·861	25·608
4250	14	10·000	25·626
4251	20	10·185	25·202
4252	9	12·186	25·130
4253	12	12·507	25·334
4254	12	14·818	25·206
4255	18	17·085	25·771
4256*	33	20·642	25·936
4257*	32	21·234	25·586
4258	12	22·374	25·956
4259	22	23·107	25·327

R. A. 2h 10m

Plate 2046; 1902 Nov. 12.

Provisional Constants.

A	B	C
−·00072	+·00270	−·1565
D	**E**	**F**
−·00261	−·00052	−·3551

Mag. = 15·8 − 1·36 $\sqrt{d}$

No.	d	x	y
4301	15	6·530	0·206
4302	13	10·450	0·437
4303	14	14·086	0·770
4304	15	14·547	0·656
4305	11	15·350	0·638
4306	12	16·120	0·256
4307	12	19·056	0·164
4308	20	22·386	0·450
4309	14	22·403	0·257
4310*	24	4·224	1·191
4311*	41	5·934	1·724
4312*	13	9·825	1·836
4313	14	10·469	1·178
4314	14	11·260	1·071
4315	11	14·347	1·762
4316	16	14·400	1·263
4317	11	14·586	1·220
4318	15	14·871	1·201
4319	13	15·060	1·620
4320*	18	22·902	1·449
4321	13	7·970	2·161
4322	13	8·215	2·434
4323	19	14·087	2·650
4324	12	18·980	2·914
4325	15	21·401	2·957
4326	15	2·837	3·983
4327	10	6·283	3·954
4328*	40	8·978	3·720
4329	15	13·320	3·843
4330	15	14·503	3·284
4331	10	17·922	3·445
4332	21	23·830	3·699
4333	20	24·112	3·661
4334	10	24·414	3·081
4335	20	4·688	4·256
4336	10	11·207	4·854
4337	14	19·650	4·187
4338*	31	23·190	4·568
4339*	21	23·694	4·962
4340	15	8·340	5·008
4341	19	12·198	5·538
4342	15	19·794	5·428
4343	11	23·990	5·341
4344	12	24·789	5·194
4345	15	2·816	6·344
4346	14	4·802	6·626
4347	13	8·835	6·508
4348*	18	17·190	6·340
4349	16	17·678	6·420
4350	14	21·453	6·316
4351	14	22·334	6·710
4352	14	25·223	6·136
4353	15	1·051	7·848
4354	15	1·625	7·558
4355	15	2·864	7·787
4356	15	11·881	7·056
4357	14	12·387	7·933
4358*	40	14·169	7·550
4359*	30	15·700	7·116
4360	15	19·714	7·810
4361	13	22·946	7·019
4362	15	24·097	7·685
4363	13	25·483	7·877
4364	15	3·120	8·309
4365	11	3·770	8·391
4366	18	4·717	8·069
4367	18	9·682	8·370
4368	14	10·814	8·819
4369*	24	13·606	8·744
4370	12	17·528	8·356
4371	15	17·871	8·985
4372	15	18·180	8·853
4373	13	19·701	8·672
4374	15	19·838	8·910
4375	23	21·160	8·616
4376	12	23·317	8·796
4377	13	25·191	8·080
4378	15	1·075	9·924
4379	19	5·128	9·751
4380	15	5·259	9·494
4381	12	8·389	9·294
4382	15	17·548	9·140
4383	11	21·007	9·547
4384	15	21·054	9·720
4385	14	2·374	10·152
4386	15	8·156	10·086
4387	15	9·135	10·358
4388	15	16·177	10·538
4389*	23	18·280	10·227
4390	13	20·497	10·002
4391	13	25·230	10·695
4392	15	0·499	11·287
4393	10	5·680	11·594
4394	12	20·457	11·098
4395*	40	23·129	11·180
4396	11	24·029	11·480
4397	14	24·036	11·449
4398	14	5·611	12·846
4399	21	11·932	12·278
4400	13	12·386	12·019
4401*	15	15·394	12·734
4402	15	16·685	12·490
4403*	30	16·819	12·250
4404	16	18·057	12·421
4405	13	21·980	12·384
4406	12	22·724	12·295
4407*	75	1·492	13·351
4408	23	3·274	13·778
4409	20	8·307	13·910
4410	12	10·300	13·692
4411	13	23·650	13·086
4412	12	3·717	14·289
4413	15	4·956	14·545
4414	12	6·016	14·604
4415	13	7·157	14·246
4416	16	8·040	14·831
4417	15	11·524	14·439
4418	15	13·870	14·807
4419	14	18·737	14·676
4420	13	19·728	14·632
4421	15	22·080	14·842
4422	15	22·764	14·097
4423	11	24·052	14·506
4424	12	25·203	14·111
4425	15	1·625	15·755
4426*	23	6·414	15·674
4427	13	6·534	15·188
4428	14	7·524	15·890
4429	14	7·914	15·233
4430	13	7·932	15·050
4431	12	8·737	15·800
4432	14	14·715	15·527
4433*	25	17·049	15·070
4434	14	19·072	15·511
4435	14	22·050	15·199
4436	21	25·150	15·125
4437	20	2·312	16·956
4438	19	3·229	16·296
4439	15	6·370	16·817
4440	12	8·867	16·909
4441*	15	9·462	16·829
4442	11	13·172	16·332
4443*	15	18·737	16·041
4444	14	24·656	16·918
4445	15	1·452	17·113
4446	13	4·965	17·124
4447	12	19·274	17·780
4448	11	19·293	17·718
4449*	20	21·650	17·142
4450	15	23·512	17·452
4451	13	23·924	17·254
4452	12	24·311	17·190
4453	12	25·060	17·051
4454	14	25·340	17·703
4455	15	3·532	18·570
4456	23	6·000	18·203
4457*	37	7·130	18·046
4458	13	8·666	18·127
4459	12	8·906	18·434
4460	10	11·513	18·080
4461	15	15·703	18·689
4462	16	16·717	18·958
4463	13	21·417	18·139
4464	15	24·350	18·342
4465	16	24·711	18·470
4466	28	1·394	19·942
4467	15	4·551	19·649
4468	13	5·537	19·289
4469	11	8·367	19·694
4470	14	10·908	19·944
4471	14	17·855	19·359
4472	11	18·790	19·252
4473	14	19·190	19·480
4474*	28	22·276	19·799
4475	23	22·545	19·324
4476	13	25·211	19·484
4477*	32	4·282	20·812
4478	12	4·852	20·707
4479	14	5·278	20·799
4480	13	10·054	20·723
4481	14	11·613	20·694
4482	11	16·320	20·207
4483	12	18·517	20·077
4484	14	19·326	20·538
4485*	23	19·808	20·59
4486	16	22·385	20·99
4487	12	23·238	20·96
4488	13	14·100	21·57
4489	18	21·607	21·15
4490	20	24·420	21·09
4491	40	1·292	22·98
4492	14	5·017	22·95
4493	14	8·604	22·46
4494	13	16·229	22·05
4495	20	20·336	22·51
4496	14	20·769	22·43
4497	13	21·664	22·15
4498*	35	23·439	22·92
4499	15	4·811	23·63
4500	20	6·291	23·91
4501	14	7·685	23·83
4502	19	8·177	23·07
4503	12	12·508	23·11
4504	12	13·036	23·13
4505	15	23·763	23·81
4506	14	7·275	24·97
4507	11	10·943	24·50
4508	10	11·145	24·79
4509	13	17·275	24·39
4510	14	17·750	24·91
4511*	20	21·814	24·56
4512	15	25·515	24·40
4513	20	8·342	25·23
4514	12	8·480	25·49
4515	15	9·673	25·39
4516	14	14·344	25·88
4517	12	16·292	25·40
4518	15	20·156	25·22
4519	15	20·730	25·43
4520	23	23·068	25·24

R. A. 2h 19m

Plate 2047; 1902 Nov. 12.

Provisional Constants.

A	B	C
−·00046	+·00429	−·1509
D	**E**	**F**
−·00394	−·00052	−·3926

Mag. = 16·1 − 1·36 $\sqrt{d}$

No.	d	x	y
4601	21	4·237	0·026
4602	14	7·094	0·931
4603	14	7·395	0·251
4604	13	7·874	0·764
4605	9	10·482	0·191
4606	8	11·076	0·518
4607	9	12·150	0·904
4608	12	19·533	0·536
4609	11	22·200	0·950
4610*	20	22·741	0·220
4611*	22	23·065	0·871
4612	22	25·870	0·483
4613	14	4·836	1·649
4614	11	8·297	1·780
4615	10	11·794	1·644
4616	11	12·971	1·746

4617	10	13·340	1·694	4691	14	1·990	8·089	4765	7	11·169	16·938	4839*	21	17·737	20·655
4618	14	13·502	1·509	4692	9	6·630	8·737	4766	13	12·510	16·771	4840	11	18·002	20·420
4619	11	14·780	1·400	4693	10	11·090	8·840	4767	21	15·144	16·207	4841	10	18·585	20·835
4620	12	17·544	1·689	4694	12	11·945	8·355	4768	11	16·000	16·160	4842	12	20·083	20·144
4621	18	18·432	1·750	4695	9	13·439	8·866	4769	8	17·942	16·147	4843	10	21·958	20·780
4622	8	19·525	1·260	4696	14	17·160	8·132	4770	12	18·452	16·509	4844	12	23·312	20·363
4623	11	20·911	1·606	4697	8	17·377	8·144	4771	13	18·895	16·211	4845	12	24·419	20·536
4624	15	22·440	1·555	4698	14	17·459	8·186	4772*	50	19·409	16·770	4846	31	1·499	21·111
4625	16	23·094	1·321	4699	8	18·596	8·600	4773	9	21·681	16·897	4847	11	6·473	21·296
4626	22	24·878	1·432	4700	9	19·569	8·984	4774	12	23·160	16·420	4848	14	6·644	21·145
4627	13	25·726	1·921	4701	22	4·590	9·136	4775	10	24·800	16·172	4849	13	10·294	21·877
4628	9	11·161	2·311	4702	11	8·405	9·407	4776	24	0·516	17·492	4850	10	10·750	21·745
4629	10	11·408	2·565	4703	14	20·230	9·223	4777	12	2·055	17·060	4851	8	14·124	21·179
4630*	32	12·802	2·936	4704	10	20·834	9·399	4778	13	2·344	17·706	4852	11	15·026	21·377
4631	16	14·399	2·884	4705	14	2·084	10·702	4779	12	6·440	17·809	4853	10	15·241	21·242
4632	10	15·464	2·121	4706	10	2·870	10·852	4780	10	10·924	17·037	4854	9	16·344	21·505
4633	12	19·869	2·932	4707	12	3·911	10·260	4781	12	10·970	17·255	4855	14	16·560	21·269
4634	14	20·181	2·520	4708	13	4·130	10·585	4782	14	11·457	17·255	4856	9	18·344	21·217
4635	34	0·533	3·735	4709	11	10·250	10·631	4783	10	12·550	17·780	4857	9	19·537	21·934
4636	33	0·814	3·694	4710*	23	13·552	10·674	4784	13	14·952	17·433	4858	10	20·630	21·983
4637*	41	3·036	3·232	4711	13	16·586	10·985	4785*	31	16·070	17·674	4859*	20	21·826	21·397
4638	21	4·360	3·192	4712*	40	18·281	10·608	4786	18	17·165	17·312	4860*	30	21·866	21·225
4639	12	8·751	3·392	4713	11	19·262	10·591	4787	14	18·453	17·871	4861	12	25·384	21·780
4640*	20	10·876	3·290	4714	15	0·904	11·479	4788*	14	20·810	17·547	4862*	60	0·559	22·969
4641	10	14·418	3·491	4715	13	3·754	11·582	4789	8	21·276	17·219	4863	10	8·870	22·714
4642	10	21·843	3·180	4716	14	6·073	11·794	4790	9	23·725	17·892	4864	8	9·605	22·044
4643	9	22·142	3·060	4717	13	14·025	11·512	4791	9	25·052	17·076	4865	9	10·333	22·627
4644	10	23·192	3·124	4718	14	14·150	11·932	4792	22	1·370	18·365	4866	12	10·596	22·771
4645	12	24·400	3·184	4719	13	20·347	11·497	4793	22	1·732	18·487	4867	11	11·471	22·700
4646*	30	3·861	4·982	4720	12	20·420	11·776	4794	11	4·215	18·880	4868	10	12·969	22·316
4647	13	4·669	4·410	4721	9	21·924	11·497	4795	22	4·620	18·086	4869	9	14·176	22·146
4648	14	6·833	4·242	4722	10	24·285	11·149	4796	15	5·543	18·172	4870	11	14·609	22·316
4649	10	8·776	4·847	4723	19	25·190	11·914	4797	10	10·170	18·248	4871	16	18·180	22·054
4650	9	9·739	4·357	4724	12	7·460	12·840	4798	8	17·300	18·694	4872	10	18·848	22·461
4651	12	12·377	4·522	4725	8	14·722	12·480	4799	8	18·371	18·630	4873	8	19·260	22·109
4652	9	15·145	4·134	4726	10	18·251	12·340	4800	13	21·277	18·485	4874	15	19·681	22·575
4653	10	16·136	4·404	4727	13	21·104	12·855	4801	10	22·874	18·402	4875	9	22·355	22·775
4654*	27	17·985	4·323	4728	8	21·690	12·477	4802	14	2·255	19·487	4876	20	22·537	22·258
4655	12	19·035	4·278	4729	8	21·903	12·340	4803	23	3·059	19·660	4877	12	24·495	22·826
4656	10	19·842	4·780	4730	10	23·251	12·871	4804	14	4·402	19·305	4878	25	25·059	22·115
4657	10	24·564	4·820	4731	8	23·359	12·981	4805*	30	4·556	19·360	4879	30	0·902	23·848
4658*	40	0·423	5·000	4732	9	24·744	12·120	4806	10	4·738	19·256	4880	13	6·539	23·463
4659	16	0·724	5·373	4733*	31	6·830	13·570	4807	10	7·008	19·831	4881	13	8·488	23·174
4660	14	1·524	5·211	4734	10	9·094	13·406	4808	7	7·731	19·798	4882	9	15·026	23·810
4661	31	3·107	5·410	4735	14	13·295	13·915	4809	8	7·964	19·577	4883	9	16·434	23·505
4662	9	8·166	5·896	4736	14	13·872	13·411	4810	13	9·990	19·345	4884	10	16·704	23·965
4663	13	14·616	5·690	4737	13	17·490	13·737	4811	9	10·394	19·009	4885	10	18·248	23·654
4664	9	15·800	5·166	4738	12	18·260	13·609	4812	9	13·396	19·137	4886	18	22·125	23·846
4665	9	18·262	5·940	4739	9	22·426	13·200	4813	10	16·786	19·984	4887	15	25·545	23·392
4666	8	18·569	5·723	4740	9	23·504	13·130	4814	8	17·470	19·894	4888	15	2·664	24·394
4667*	32	24·377	5·588	4741	12	25·803	13·640	4815	14	19·240	19·962	4889	16	3·037	24·309
4668	22	1·977	6·142	4742	21	4·749	14·757	4816	13	20·992	19·375	4890	22	3·257	24·040
4669	15	3·878	6·100	4743	10	4·926	14·295	4817	12	21·770	19·335	4891	17	4·066	24·041
4670	11	6·903	6·154	4744	14	5·118	14·812	4818	12	21·782	19·045	4892	27	5·611	24·353
4671	8	8·604	6·576	4745	12	10·568	14·650	4819	20	23·266	19·590	4893	15	5·820	24·362
4672	10	9·518	6·388	4746	12	11·835	14·580	4820	10	23·841	19·182	4894	12	8·076	24·481
4673	22	12·820	6·126	4747	13	12·040	14·490	4821	11	25·029	19·145	4895	13	12·105	24·525
4674	10	13·551	6·260	4748	14	14·960	14·085	4822*	30	25·287	19·740	4896*	30	13·356	24·165
4675	13	15·104	6·178	4749	11	19·300	14·938	4823	8	25·676	19·904	4897	9	14·154	24·378
4676*	35	15·950	6·025	4750	12	20·011	14·740	4824	12	25·892	19·750	4898*	37	14·280	24·006
4677	15	19·524	6·857	4751	9	23·950	14·793	4825	12	4·303	20·052	4899	10	15·300	24·607
4678	8	21·467	6·984	4752	33	2·100	15·128	4826	21	8·238	20·986	4900	19	16·166	24·480
4679	10	25·701	6·225	4753	9	4·680	15·240	4827	11	9·579	20·870	4901	33	0·235	25·294
4680	22	0·885	7·714	4754	10	13·634	15·480	4828	11	10·538	20·190	4902	30	4·777	25·914
4681	10	2·995	7·634	4755	9	19·380	15·828	4829	10	11·343	20·774	4903*	29	8·367	25·126
4682	12	5·005	7·353	4756	19	21·499	15·695	4830	10	11·758	20·431	4904	13	8·436	25·031
4683	10	5·029	7·784	4757	10	21·619	15·450	4831	18	12·391	20·336	4905	13	10·047	25·484
4684	8	5·374	7·632	4758	9	21·917	15·285	4832	15	12·700	20·254	4906	10	13·297	25·934
4685	10	7·692	7·758	4759	9	23·799	15·459	4833*	15	14·057	20·119	4907	11	13·747	25·799
4686	11	12·360	7·987	4760	9	24·086	15·158	4834	10	14·123	20·764	4908	8	15·900	25·531
4687	12	15·520	7·440	4761	13	25·226	15·341	4835	8	14·124	20·044	4909	22	18·096	25·006
4688	8	18·878	7·450	4762	17	1·644	16·932	4836*	31	14·489	20·355	4910	10	22·525	25·557
4689	8	20·183	7·010	4763	17	3·053	16·779	4837	11	15·235	20·088	4911	9	23·825	25·540
4690	8	20·838	7·770	4764	9	6·422	16·252	4838*	24	17·497	20·610	4912	23	24·534	25·960

R. A. 2^h 28^m

Plate 2048; 1902 Nov. 12.

Provisional Constants.

A	B	C
−·00080	+·00154	+1·0320
D	E	F
−·00175	−·00061	−·3881

Mag. = 15·7 − 1·36$\sqrt{d}$

No.	d	x	y
5001	40	0·533	0·346
5002	43	0·867	0·991
5003	22	3·667	0·554
5004	15	5·721	0·212
5005	18	6·561	0·678
5006	13	8·564	0·315
5007	20	8·736	0·660
5008	10	13·039	0·800
5009	13	13·314	0·155
5010	12	20·955	0·200
5011*	41	22·455	0·274
5012	19	25·949	0·251
5013	30	0·905	1·440
5014	32	2·693	1·517
5015	13	8·644	1·095
5016	15	10·084	1·564
5017	11	10·258	1·400
5018	11	11·677	1·265
5019	16	4·450	2·291
5020	20	4·880	2·274
5021	22	5·200	2·248
5022	19	7·354	2·200
5023	11	8·933	2·796
5024	19	9·653	2·227
5025	21	10·489	2·645
5026	10	19·798	2·771
5027	22	2·245	3·282
5028*	22	6·746	3·118
5029	13	14·293	3·605
5030	11	16·247	3·824
5031	13	16·716	3·955
5032*	32	17·766	3·503
5033	12	18·092	3·620
5034	13	22·180	3·170
5035	20	22·439	3·055
5036	10	23·466	3·736
5037	15	25·094	3·115
5038	19	2·434	4·914
5039	14	5·359	4·763
5040	11	9·046	4·782
5041	9	12·210	4·902
5042	12	18·360	4·800
5043	12	22·199	4·100
5044	10	22·762	4·373
5045	20	25·110	4·109
5046*	43	2·263	5·686
5047	13	5·602	5·589
5048	12	8·155	5·584
5049	11	8·396	5·710
5050	10	9·331	5·074
5051	10	9·715	5·294
5052	15	10·764	5·772
5053	12	13·176	5·249
5054	10	14·266	5·634
5055*	22	16·244	5·126
5056	10	22·266	5·444

No.	d	x	y
5057*	40	25·869	5·349
5058	14	4·914	6·500
5059	14	5·855	6·030
5060	10	7·530	6·602
5061	14	11·124	6·684
5062	10	20·630	6·554
5063	11	21·876	6·739
5064	11	23·947	6·674
5065	10	7·899	7·272
5066	12	11·551	7·450
5067	9	17·848	7·742
5068	14	18·560	7·844
5069	9	19·194	7·970
5070	18	23·994	7·255
5071	12	25·436	7·356
5072	10	9·981	8·866
5073	14	14·515	8·964
5074	13	25·570	8·955
5075	12	12·142	9·430
5076*	22	12·507	9·792
5077	14	15·540	9·296
5078	22	16·701	9·135
5079*	38	19·091	9·041
5080	10	6·186	10·464
5081	11	6·218	10·362
5082	12	18·777	10·090
5083	12	25·774	10·812
5084	14	2·270	11·246
5085	19	3·190	11·994
5086	12	5·312	11·473
5087	11	6·134	11·710
5088	19	11·710	11·149
5089	15	12·560	11·170
5090*	28	18·205	11·790
5091	11	20·690	11·824
5092	9	23·721	11·670
5093	18	1·012	12·808
5094	15	1·268	12·986
5095	14	2·750	12·210
5096	11	5·134	12·242
5097	10	7·444	12·866
5098*	36	13·059	12·205
5099	14	13·110	12·266
5100*	40	14·156	12·176
5101	15	14·190	12·627
5102	10	17·190	12·573
5103	9	23·887	12·496
5104	13	25·983	12·085
5105	15	3·833	13·709
5106	13	5·234	13·041
5107*	32	7·985	13·439
5108	9	9·350	13·287
5109	14	13·887	13·794
5110	16	16·350	13·572
5111	13	18·394	13·412
5112	13	19·476	13·140
5113	12	20·690	13·510
5114	12	23·711	13·517
5115	13	5·145	14·565
5116	9	5·477	14·137
5117	12	5·555	14·276
5118	8	6·334	14·341
5119	10	10·660	14·124
5120	10	10·742	14·562
5121	8	11·090	14·560
5122*	38	13·940	14·283
5123*	50	21·110	14·649
5124	12	21·326	14·153
5125	12	21·893	14·541
5126	10	25·090	14·950
5127	14	2·143	15·255
5128	18	3·287	15·420
5129	8	6·590	15·084
5130	9	7·456	15·114

No.	d	x	y
5131	11	7·468	15·890
5132	10	8·919	15·595
5133	10	9·535	15·669
5134*	18	16·862	15·195
5135	16	17·339	15·642
5136	13	24·280	15·598
5137	21	1·240	16·537
5138	14	4·802	16·254
5139	21	5·087	16·302
5140	10	5·568	16·811
5141	10	5·846	16·756
5142	17	5·846	16·528
5143	16	10·426	16·995
5144*	15	11·156	16·450
5145	12	11·779	16·006
5146	12	16·680	16·714
5147	11	4·230	17·649
5148	21	4·721	17·473
5149	12	9·338	17·842
5150	10	9·430	17·794
5151	23	12·582	17·115
5152	15	19·193	17·480
5153	11	6·380	18·724
5154	8	8·359	18·672
5155	12	8·934	18·201
5156	9	9·299	18·074
5157	13	11·415	18·729
5158*	23	12·236	18·402
5159	9	12·491	18·505
5160	10	14·276	18·206
5161	9	19·480	18·586
5162	8	20·210	18·704
5163	10	20·872	18·808
5164	15	23·364	18·470
5165	8	24·534	18·352
5166	32	1·404	19·704
5167	24	1·971	19·287
5168	17	3·154	19·228
5169*	32	3·426	19·816
5170	12	4·030	19·818
5171	14	4·826	19·839
5172	11	5·984	19·540
5173*	31	9·060	19·624
5174	12	11·190	19·696
5175	10	15·721	19·740
5176	9	16·370	19·024
5177	21	16·754	19·800
5178	15	18·041	19·205
5179	9	19·145	19·114
5180	9	20·270	19·750
5181	10	21·807	19·551
5182	28	1·464	20·475
5183	23	2·572	20·630
5184	34	5·665	20·731
5185	12	7·060	20·440
5186	14	7·842	20·726
5187	11	8·854	20·624
5188*	32	9·709	20·466
5189	12	9·914	20·444
5190	15	11·350	20·287
5191	12	12·211	20·198
5192	9	12·326	20·190
5193	12	12·530	20·853
5194	12	12·760	20·136
5195	13	13·977	20·601
5196	8	16·891	20·723
5197	16	16·980	20·784
5198	12	17·841	20·346
5199	10	20·299	20·114
5200	12	22·855	20·464
5201	13	24·590	20·583
5202	18	25·336	20·955
5203	58	0·032	21·366
5204	10	10·240	21·607

No.	d	x	y
5205	8	12·904	21·762
5206	14	15·530	21·495
5207	10	17·259	21·599
5208	10	20·313	21·295
5209	11	20·545	21·411
5210	9	22·590	21·511
5211	12	23·786	21·549
5212	10	24·014	21·321
5213	41	0·722	22·386
5214	32	3·241	22·196
5215	11	7·392	22·251
5216	10	11·933	22·966
5217	13	12·522	22·370
5218	12	17·624	22·741
5219	10	18·464	22·992
5220	9	21·325	22·696
5221	41	0·336	23·980
5222	21	3·753	23·464
5223	14	10·198	23·595
5224	10	10·750	23·030
5225	9	15·117	23·609
5226*	23	15·327	23·625
5227	10	16·115	23·252
5228	12	20·406	23·425
5229	13	20·458	23·706
5230	9	22·364	23·106
5231	16	24·679	23·430
5232	18	25·876	23·799
5233	12	11·242	24·239
5234*	33	14·332	24·724
5235	10	15·865	24·575
5236	12	18·884	24·359
5237	14	21·301	24·660
5238	12	22·535	24·592
5239	27	4·405	25·367
5240	13	6·061	25·348
5241	18	6·332	25·458
5242	12	11·671	25·483
5243	17	13·455	25·322
5244	15	17·246	25·848
5245	14	19·924	25·564
5246	14	23·040	25·326

R. A. 2h 37m

Plate 2049; 1902 Nov. 12.

Provisional Constants.

A	B	C
−·00074	+·00042	−·0514
D	**E**	**F**
−·00052	−·00061	−·4231

Mag. = 16·0 − 1·36 $\sqrt{d}$

No.	d	x	y
5301	28	1·484	0·253
5302	19	4·160	0·589
5303	16	4·679	0·380
5304	15	5·733	0·218
5305	13	15·941	0·708
5306	19	16·199	0·679
5307	11	17·247	0·500
5308	13	17·847	0·869
5309	12	18·913	0·049

No.	d	x	y
5310	13	18·949	0·971
5311	12	20·070	0·399
5312*	21	20·582	0·412
5313	11	20·598	0·857
5314	12	21·739	0·900
5315	13	22·961	0·588
5316	11	23·746	0·265
5317	17	24·956	0·178
5318	13	25·422	0·031
5319*	31	2·226	1·926
5320	20	2·328	1·852
5321	12	12·208	1·439
5322	13	13·422	1·437
5323	17	13·854	1·221
5324	10	14·046	1·672
5325	14	15·927	1·968
5326	11	19·504	1·314
5327	10	19·934	1·050
5328*	13	20·336	1·045
5329	12	13·635	2·205
5330	13	14·810	2·489
5331	11	15·234	2·599
5332	10	15·326	2·461
5333	11	16·627	2·485
5334	10	17·638	2·090
5335	12	17·700	2·774
5336	13	17·727	2·131
5337	10	18·190	2·084
5338	11	20·452	2·989
5339	11	23·020	2·884
5340	26	0·681	3·130
5341	28	2·984	3·460
5342	12	4·909	3·549
5343	11	7·166	3·870
5344	13	7·524	3·650
5345	13	11·770	3·790
5346	10	12·226	3·250
5347	13	13·136	3·213
5348	10	15·368	3·756
5349	10	17·027	3·168
5350	13	17·517	3·404
5351	12	18·917	3·676
5352	13	19·542	3·646
5353	13	19·856	3·928
5354	12	20·421	3·103
5355	13	24·527	3·192
5356	22	0·718	4·128
5357	14	2·783	4·745
5358	14	3·499	4·702
5359	13	4·230	4·473
5360	15	7·350	4·551
5361	13	7·734	4·712
5362	12	12·533	4·441
5363	14	13·616	4·821
5364	13	20·281	4·708
5365	10	22·180	4·260
5366	11	22·210	4·639
5367*	42	1·499	5·351
5368*	22	4·168	5·944
5369	12	4·564	5·434
5370	10	5·888	5·040
5371	14	11·140	5·130
5372	13	13·024	5·260
5373	11	14·806	5·818
5374	10	16·590	5·347
5375	13	17·913	5·062
5376	11	19·488	5·950
5377	11	24·649	5·746
5378	11	25·785	5·621
5379	28	1·987	6·161
5380	13	3·374	6·380
5381	12	5·185	6·476
5382	11	6·271	6·502
5383	13	6·652	6·207

No.	d	x	y
5384	12	9·100	6·930
5385*	44	10·438	6·675
5386	12	11·010	6·649
5387	13	14·852	6·930
5388	13	15·909	6·049
5389	11	22·900	6·448
5390	14	25·444	6·081
5391	18	1·107	7·366
5392	23	3·147	7·016
5393	13	4·814	7·845
5394	13	5·770	7·358
5395	12	5·838	7·518
5396	13	6·272	7·219
5397	13	7·486	7·855
5398	13	8·624	7·185
5399	12	9·694	7·618
5400	13	15·977	7·544
5401*	23	16·689	7·959
5402*	21	16·712	7·739
5403	13	19·780	7·730
5404	10	20·899	7·287
5405	11	22·880	7·716
5406	13	25·034	7·186
5407*	32	25·773	7·539
5408	22	1·269	8·961
5409	11	1·784	8·830
5410	13	1·941	8·237
5411	13	5·784	8·477
5412	11	8·421	8·630
5413	13	13·007	8·210
5414	12	14·298	8·056
5415	13	17·124	8·380
5416	12	23·383	8·203
5417	12	23·767	8·345
5418*	36	25·214	8·239
5419	10	25·460	8·051
5420	14	2·474	9·414
5421	10	2·484	9·159
5422*	13	7·872	9·823
5423	13	13·899	9·268
5424	22	17·692	9·250
5425	13	19·266	9·560
5426	12	20·807	9·880
5427	10	22·602	9·460
5428	10	24·542	9·220
5429	23	1·509	10·814
5430	10	1·940	10·601
5431	12	3·020	10·895
5432	14	4·024	10·882
5433	13	8·164	10·090
5434	12	8·533	10·499
5435	13	9·839	10·138
5436	11	11·124	10·905
5437	12	13·219	10·654
5438	12	13·578	10·589
5439	14	15·464	10·770
5440	13	17·279	10·128
5441	13	18·758	10·869
5442	12	19·232	10·412
5443	13	21·821	10·718
5444	10	22·264	10·671
5445	13	24·421	10·829
5446	11	24·700	10·951
5447	14	2·268	11·852
5448	13	3·626	11·641
5449*	31	5·396	11·085
5450	11	9·070	11·545
5451	15	9·426	11·840
5452	13	11·305	11·527
5453	11	17·000	11·764
5454	12	19·580	11·749
5455	10	20·421	11·639
5456	12	21·683	11·742
5457	13	22·219	11·744

No.	d	x	y
5458	13	25·079	11·640
5459	19	1·741	12·085
5460	13	2·492	12·622
5461	13	2·901	12·164
5462	13	3·509	12·000
5463*	32	7·472	12·458
5464	12	10·364	12·270
5465	13	13·114	12·949
5466	13	13·271	12·071
5467	17	13·400	12·929
5468	17	17·799	12·806
5469	11	21·322	12·829
5470*	42	23·364	12·314
5471	11	2·428	13·172
5472	14	9·131	13·924
5473	13	9·640	13·661
5474	13	10·310	13·070
5475	12	11·436	13·655
5476*	32	17·552	13·377
5477	15	19·194	13·287
5478	10	20·391	13·861
5479	12	20·780	13·360
5480	11	22·207	13·696
5481	13	23·035	13·707
5482	10	24·249	13·029
5483	12	25·670	13·218
5484	15	0·905	14·962
5485	13	8·502	14·730
5486	10	8·515	14·875
5487	11	13·407	14·229
5488	13	15·433	14·140
5489	10	15·587	14·238
5490	13	16·294	14·160
5491	11	16·455	14·958
5492	13	16·730	14·338
5493	12	21·408	14·784
5494	16	21·418	14·085
5495	11	22·087	14·731
5496	12	25·758	14·123
5497	23	0·106	15·629
5498	10	8·499	15·040
5499	11	8·558	15·111
5500	12	13·139	15·399
5501	12	18·334	15·550
5502	10	21·873	15·870
5503	10	22·542	15·289
5504	12	23·980	15·223
5505	12	24·605	15·819
5506	11	2·589	16·128
5507	13	5·317	16·301
5508	10	5·811	16·357
5509	13	10·667	16·360
5510	13	11·289	16·899
5511*	22	14·070	16·978
5512	18	14·920	16·664
5513	13	25·348	16·744
5514	16	0·844	17·824
5515	13	4·338	17·549
5516	19	7·373	17·687
5517	10	7·744	17·061
5518	13	8·646	17·362
5519	10	8·900	17·009
5520	11	10·392	17·756
5521	12	10·467	17·372
5522	10	10·656	17·865
5523	13	12·847	17·576
5524	21	12·899	17·724
5525	11	21·552	17·409
5526	13	21·868	17·706
5527	13	22·466	17·049
5528	12	23·776	17·158
5529	10	24·294	17·584
5530	13	25·855	17·476
5531	17	0·414	18·379
5532	11	6·616	18·590
5533	13	7·355	18·230
5534	10	8·281	18·309
5535	13	8·438	18·061
5536	10	10·560	18·675
5537	11	13·847	18·339
5538	11	14·455	18·030
5539	23	14·686	18·414
5540	16	17·623	18·110
5541	13	18·462	18·436
5542	10	18·836	18·455
5543	13	19·605	18·740
5544	15	2·524	19·859
5545	18	2·922	19·694
5546	21	3·440	19·915
5547	12	7·329	19·210
5548	13	7·630	19·792
5549	11	10·722	19·006
5550*	22	16·880	19·745
5551	11	17·532	19·632
5552	11	19·433	19·804
5553	13	20·418	19·010
5554*	28	21·422	19·478
5555	12	21·501	19·678
5556	13	23·107	19·775
5557	20	0·512	20·606
5558	32	1·264	20·963
5559	15	3·555	20·661
5560	13	5·080	20·426
5561	12	7·353	20·600
5562	12	7·680	20·349
5563	11	13·889	20·213
5564	15	16·320	20·960
5565	14	22·966	20·921
5566	21	2·236	21·483
5567	13	7·929	21·287
5568	22	12·224	21·119
5569	13	18·330	21·169
5570	13	19·884	21·286
5571	13	21·566	21·119
5572	11	21·850	21·782
5573	11	5·769	22·714
5574	13	6·336	22·866
5575	12	8·282	22·146
5576	13	8·391	22·613
5577	11	11·757	22·309
5578*	22	15·305	22·505
5579	10	17·980	22·151
5580	13	20·000	22·037
5581	12	20·035	22·699
5582	12	20·865	22·037
5583	10	21·712	22·152
5584*	29	25·364	22·227
5585	20	0·655	23·453
5586	18	1·861	23·795
5587*	49	6·395	23·261
5588	13	9·710	23·760
5589	12	14·002	23·436
5590	13	14·264	23·602
5591*	42	15·484	23·914
5592	13	17·983	23·449
5593	11	18·408	23·780
5594	12	22·940	23·269
5595	13	5·996	24·566
5596	12	6·040	24·032
5597*	23	10·879	24·354
5598	12	11·604	24·555
5599	11	12·260	24·780
5600	17	6·434	25·981
5601	13	7·900	25·679
5602	12	8·126	25·291
5603	13	8·731	25·390
5604	10	10·216	25·592
5605	13	10·651	25·226
5606	12	15·711	25·329
5607	14	16·583	25·924
5608	13	18·176	25·857
5609	15	23·685	25·522

R. A. 2h 46m

Plate 2050; 1902 Nov. 12.

Provisional Constants.

A	B	C
−·00069	−·00068	−·0764
D	**E**	**F**
+·00064	−·00077	−·4153

Mag. = 16·1 − 1·36 $\sqrt{d}$

No.	d	x	y
5701	15	5·965	0·214
5702	15	6·184	0·770
5703	13	8·863	0·916
5704	14	10·642	0·612
5705	13	11·098	0·570
5706	20	11·866	0·212
5707	10	15·966	0·025
5708	13	16·008	0·690
5709	10	16·440	0·047
5710	12	20·091	0·906
5711	13	21·487	0·730
5712	13	22·175	0·485
5713	17	22·714	0·209
5714	13	22·952	0·861
5715	14	23·856	0·910
5716	18	25·045	0·152
5717	15	25·304	0·239
5718	28	3·015	1·280
5719	21	6·735	1·183
5720*	47	7·756	1·944
5721	10	10·188	1·478
5722*	33	10·625	1·745
5723*	40	13·266	1·938
5724	10	13·284	1·340
5725	16	13·586	1·076
5726	11	15·228	1·389
5727	16	20·462	1·848
5728	13	21·540	1·622
5729*	30	22·333	1·373
5730*	14	22·648	1·270
5731	23	25·861	1·462
5732	22	4·852	2·714
5733*	22	6·944	2·794
5734	14	10·522	2·740
5735	12	21·316	2·418
5736	10	21·382	2·449
5737	20	9·030	3·789
5738	14	11·735	3·214
5739	10	15·061	3·270
5740	14	17·137	3·084
5741	13	17·878	3·080
5742	10	19·602	3·684
5743	12	21·570	3·028
5744	17	25·079	3·813
5745	15	2·934	4·590
5746	11	8·078	4·158
5747	10	10·432	4·121
5748	16	10·441	4·634
5749	12	11·770	4·492
5750	11	12·909	4·444
5751	13	16·043	4·861
5752	10	16·830	4·276
5753	23	17·744	4·889
5754	10	20·526	4·647
5755	14	1·342	5·762
5756	13	9·846	5·421
5757	16	10·333	5·268
5758	10	20·450	5·016
5759	11	21·979	5·794
5760	14	23·671	5·556
5761	10	24·344	5·519
5762	10	24·570	5·952
5763	19	2·147	6·086
5764	14	4·904	6·440
5765	14	8·729	6·165
5766	11	15·544	6·278
5767	14	20·655	6·470
5768	14	22·655	6·641
5769	10	23·213	6·696
5770*	28	24·544	6·363
5771	15	1·758	7·193
5772*	40	2·502	7·532
5773	22	7·031	7·365
5774	10	7·391	7·646
5775	10	12·836	7·170
5776	13	14·898	7·530
5777	10	16·914	7·432
5778*	30	17·082	7·835
5779	11	21·090	7·386
5780	10	24·120	7·865
5781	13	25·911	7·350
5782	15	0·124	8·244
5783*	47	1·958	8·244
5784	14	3·004	8·532
5785*	27	6·930	8·005
5786	14	11·733	8·042
5787	15	14·639	8·260
5788	15	15·910	8·504
5789	15	16·408	8·550
5790*	20	17·374	8·044
5791	10	19·919	8·083
5792	12	20·620	8·345
5793*	37	22·340	8·278
5794*	37	3·247	9·933
5795	10	3·749	9·472
5796*	42	4·392	9·035
5797	10	7·861	9·777
5798	15	9·483	9·121
5799	19	20·228	9·692
5800	14	24·299	9·179
5801	15	1·216	10·847
5802	11	5·142	10·502
5803	13	6·352	10·470
5804	15	14·182	10·482
5805	19	14·407	10·350
5806	15	16·634	10·445
5807	15	19·461	10·744
5808	13	21·206	10·348
5809	12	22·524	10·459
5810	10	24·212	10·497
5811	16	24·250	10·536
5812	15	1·889	11·650
5813	15	3·414	11·186
5814	10	3·542	11·511
5815	13	4·080	11·221
5816	14	11·373	11·282
5817	15	11·589	11·170
5818	15	11·797	11·420
5819	16	16·880	11·820
5820	12	20·320	11·470
5821	15	22·484	11·839
5822	11	23·205	11·214
5823	14	23·850	11·477
5824	13	25·296	11·991
5825*	59	0·185	12·354
5826	12	3·967	12·222
5827	13	7·817	12·209
5828	12	9·954	12·851
5829	14	10·764	12·289
5830	14	11·034	12·020
5831	14	13·827	12·991
5832	18	15·110	12·573
5833	14	17·980	12·035
5834	15	19·587	12·340
5835*	22	21·606	12·976
5836	17	22·460	12·449
5837	14	23·051	12·683
5838	15	23·600	12·164
5839	14	2·508	13·216
5840	16	7·389	13·200
5841	14	16·465	13·212
5842	17	18·545	13·280
5843	14	19·904	13·389
5844	13	2·614	14·118
5845	11	3·459	14·729
5846	11	7·116	14·359
5847	11	10·464	14·380
5848*	25	16·671	14·440
5849	10	22·329	14·298
5850*	30	22·766	14·730
5851	14	11·076	15·782
5852	14	14·104	15·429
5853	15	14·621	15·639
5854*	54	16·404	15·412
5855	12	25·384	15·545
5856	15	2·256	16·743
5857	13	3·847	16·524
5858	11	3·929	16·008
5859	19	5·166	16·792
5860	13	15·329	16·991
5861*	41	17·751	16·050
5862	15	25·561	16·106
5863	15	0·694	17·190
5864	15	2·776	17·469
5865	12	13·387	17·190
5866	13	20·280	17·843
5867	11	20·316	17·481
5868	13	24·190	17·654
5869	19	6·956	18·437
5870	10	9·313	18·715
5871	20	20·418	18·024
5872	10	23·596	18·212
5873	11	23·749	18·410
5874	12	25·824	18·798
5875	18	0·074	19·819
5876	13	4·895	19·070
5877	12	5·549	19·680
5878	20	5·867	19·687
5879	20	7·151	19·322
5880	12	7·929	19·767
5881*	54	8·784	19·297
5882	10	12·976	19·675
5883	12	13·234	19·085
5884	11	13·969	19·484
5885	13	15·218	19·295
5886	11	16·517	19·313
5887	18	19·887	19·455
5888	10	20·090	19·555
5889	10	20·728	19·589
5890*	24	23·724	19·817
5891	19	24·020	19·890
5892*	31	24·378	19·208
5893	15	3·962	20·049
5894*	30	5·654	20·954
5895	16	6·470	20·303

5896	10	8·704	20·484
5897	10	10·742	20·458
5898	10	12·242	20·775
5899	10	12·421	20·603
5900	10	13·637	20·464
5901	10	14·084	20·185
5902	14	17·071	20·310
5903	18	22·445	20·811
5904	13	5·424	21·106
5905*	20	8·956	21·532
5906	10	10·344	21·389
5907	10	17·107	21·080
5908	10	19·556	21·988
5909	16	23·256	21·922
5910	14	25·600	21·126
5911*	35	2·374	22·226
5912	15	3·703	22·360
5913	18	5·047	22·767
5914	11	9·375	22·738
5915	11	9·509	22·446
5916	12	11·022	22·168
5917	14	11·128	22·181
5918	13	12·749	22·062
5919	10	12·970	22·861
5920	10	21·069	22·178
5921	11	21·659	22·620
5922	13	24·039	22·380
5923	25	25·057	22·269
5924	15	3·614	23·052
5925	18	3·978	23·347
5926	15	5·552	23·890
5927	21	7·875	23·090
5928	13	9·383	23·848
5929	11	9·824	23·615
5930*	29	10·184	23·985
5931	20	12·565	23·761
5932	11	15·379	23·119
5933	10	17·516	23·218
5934	12	17·693	23·795
5935*	23	17·733	23·410
5936*	36	18·173	23·738
5937*	21	19·342	23·080
5938	13	24·445	23·094
5939	15	5·267	24·244
5940	14	13·669	24·937
5941	11	14·018	24·864
5942	12	14·610	24·027
5943	11	17·713	24·732
5944	11	19·627	24·658
5945	10	19·877	24·436
5946	15	25·905	24·776
5947	20	3·470	25·183
5948	14	5·828	25·204
5949	15	6·552	25·420
5950	15	7·839	25·520
5951	13	8·244	25·294
5952	20	8·434	25·688
5953	21	9·478	25·074
5954	13	12·484	25·492
5955	14	12·757	25·059
5956	18	13·213	25·200
5957	13	14·055	25·015
5958	12	17·495	25·230
5959	15	20·602	25·363

R. A. 2h 55m

Plate 2051 ; 1902 Nov. 12.

Provisional Constants.

A	B	C
−·00021	+·00813	−·3902
D	E	F
−·00778	−·00061	−·3038

Mag. = $16·0 - 1·36\sqrt{d}$

No.	*d*	*x*	*y*
6001	23	1·360	0·231
6002	15	1·624	0·311
6003	10	7·450	0·474
6004	15	10·081	0·614
6005	16	10·692	0·957
6006	15	17·401	0·082
6007	14	18·092	0·694
6008	11	19·422	0 360
6009	13	20·460	0·299
6010	14	20·604	0·133
6011	12	22·512	0·574
6012	15	25·811	0·674
6013*	23	2·214	1·515
6014	15	2·414	1·422
6015	10	8·327	1·591
6016	13	8·887	1·549
6017*	23	15·676	1·629
6018	10	15·748	1·531
6019*	26	19·512	1·989
6020	14	23·833	1·514
6021	14	7·855	2·344
6022*	18	8·159	2·329
6023*	20	8·880	2·231
6024	10	10·635	2·094
6025*	31	11·120	2·669
6026	11	11·490	2·304
6027	10	13·687	2·937
6028	10	15·166	2·190
6029	12	15·801	2·877
6030	11	16·772	2·090
6031	11	23·600	2·694
6032*	33	24·782	2·220
6033	14	24·978	2·719
6034	27	1·499	3·890
6035	15	3·380	3·165
6036	14	4·490	3·368
6037	14	5·175	3·311
6038	13	7·103	3·624
6039	11	7·800	3·034
6040*	30	9·728	3·110
6041	10	10·904	3·527
6042	11	13·247	3·480
6043	10	14·610	3·659
6044	11	15·198	3·464
6045	11	17·134	3·130
6046	13	19·207	3·578
6047	11	8·515	4·974
6048	23	12·226	4·946
6049	10	14·486	4·848
6050	10	20·365	4·581
6051	13	22·590	4·683
6052	15	22·794	4·420
6053	10	23·801	4·492
6054	14	24·817	4·864
6055	25	0·142	5·671
6056	12	5·248	5·656
6057	13	6·640	5·616
6058	11	6·946	5·240
6059	11	9·903	5·588
6060	13	11·199	5·171
6061	10	18·971	5·880
6062	11	20·208	5·726
6063*	24	24·436	5·690
6064*	43	1·036	6·455
6065	19	3·310	6·400
6066	15	8·325	6·988
6067	13	8·832	6·690
6068	16	10·221	6·549
6069	20	10·533	6·429
6070	19	14·560	6·368
6071	14	14·911	6·878
6072	13	15·346	6·321
6073	20	22·294	6·577
6074	15	25·968	6·022
6075	15	2·430	7·401
6076	20	4·930	7·396
6077	11	5·290	7·720
6078	14	5·693	7·910
6079	10	5·869	7·218
6080	16	9·440	7·700
6081	15	10·140	7·804
6082*	25	15·546	7·670
6083	10	15·640	7·833
6084	14	16·520	7·670
6085	18	17·845	7·381
6086	16	22·757	7·009
6087	12	22·927	7·935
6088	14	25·281	7·541
6089	14	4·046	8·200
6090	21	5·101	8·422
6091*	22	22·624	8·344
6092	18	0·874	9·274
6093	14	4·844	9·636
6094	10	5·901	9·193
6095	14	7·766	9·270
6096	16	8·850	9·493
6097*	45	10·690	9·340
6098	14	25·685	9·694
6099	25	0·865	10·632
6100	12	5·190	10·496
6101	13	9·280	10·108
6102	15	10·923	10·656
6103	17	17·204	10·270
6104	11	24·485	10·542
6105	23	0·490	11·584
6106	10	5·930	11·711
6107	14	9·184	11·391
6108*	29	21·775	11·588
6109	10	22·668	11·774
6110	20	24·909	11·090
6111	10	25·224	11·730
6112	22	0·260	12·279
6113	14	1·952	12·060
6114*	20	6·183	12·128
6115	12	9·991	12·411
6116	20	10·373	12·940
6117	13	12·633	12·567
6118	11	20·114	12·610
6119	11	20·356	12·849
6120	13	23·864	12·722
6121	16	25·283	12·810
6122	16	5·044	13·670
6123	18	9·408	13·395
6124	13	10·065	13·887
6125*	38	4·943	14·051
6126	14	9·403	14·279
6127	10	10·467	14·824
6128	11	11·835	14·734
6129	14	12·544	14·872
6130	15	14·079	14·959
6131	13	15·980	14·250
6132	13	21·904	14·091
6133	14	2·145	15·605
6134	13	3·712	15·462
6135	11	6·809	15·284
6136	13	8·711	15·994
6137	13	12·388	15·941
6138	14	14·588	15·514
6139	14	14·600	15·814
6140	14	16·894	15 820
6141	14	18·710	15·304
6142	11	20·605	15·594
6143	20	2·334	16·160
6144	12	4·824	16·214
6145	12	11·850	16·545
6146	14	12·062	16·675
6147	13	12·856	16·803
6148	13	13·894	16·459
6149	15	15·227	16·112
6150*	23	15·272	16·994
6151	15	17·326	16·564
6152	10	22·498	16·366
6153	10	25·109	16·070
6154	18	25·856	16·066
6155	20	1·007	17·750
6156	13	12·662	17·260
6157	13	12·950	17·241
6158	10	13·358	17·965
6159	15	14·442	17·314
6160	10	19·940	17·363
6161	13	20·663	17·740
6162	10	22·347	17·174
6163	11	24·194	17·376
6164	12	25·634	17·171
6165	15	25·790	17·658
6166	15	2·673	18·844
6167	14	4·577	18·924
6168	14	10·674	18·200
6169	13	11·429	18·810
6170	10	12·270	18·671
6171	11	14·740	18·675
6172	18	18·240	18·474
6173	10	20·850	18·549
6174	11	21·941	18·920
6175	10	22·011	18·970
6176	13	22·144	18·199
6177	14	22·213	18·944
6178	14	23·511	18·194
6179*	33	0·604	19·924
6180	19	0·900	19·988
6181*	45	1·239	19·300
6182*	79	3·090	19·080
6183	12	4·572	19·599
6184	10	6·252	19·433
6185	13	7·593	19·319
6186	11	7·640	19·382
6187	11	8·155	19·919
6188*	23	13·207	19·284
6189	11	13·268	19·256
6190	20	13·480	19·840
6191	14	18·250	19·652
6192	16	19·161	19·544
6193	10	19·628	19·970
6194*	38	20·967	19·204
6195	18	21·724	19·822
6196	10	23·235	19·525
6197	13	4·388	20·317
6198*	28	5·348	20·052
6199	13	8·752	20·715
6200	18	12·465	20·587
6201	14	12·760	20·414
6202*	27	14·520	20·800
6203	12	14·687	20·573
6204	10	14·814	20·748
6205	14	16·155	20·187
6206	13	19·405	20·158
6207	12	22·097	20·024
6208	12	24·325	20·428
6209*	38	24·621	20·270
6210	15	24·809	20·917
6211	22	24·822	20·554
6212	13	24·875	20·081
6213	11	25·774	20·566
6214	18	2·515	21·178
6215	11	9·047	21·259
6216	10	12·014	21·676
6217*	25	12·846	21·245
6218	10	14·985	21·752
6219	14	16·643	21·030
6220	11	16·982	21·918
6221	12	17·520	21·850
6222*	38	23·670	21·043
6223	17	23·817	21·499
6224	21	25·110	21·415
6225	22	0·196	22·044
6226	28	2·006	22·335
6227	15	3·563	22·031
6228	11	4·720	22·259
6229	22	5·144	22·229
6230*	21	5·908	22·064
6231	10	7·470	22·554
6232*	20	8·532	22·598
6233	10	10·706	22·190
6234	12	14·024	22·904
6235	10	15·489	22·420
6236	19	16·677	22·160
6237	11	20·342	22·450
6238	10	20·655	22·227
6239	18	23·613	22·276
6240	22	24·618	22·619
6241	20	5·277	23·471
6242	14	6·774	23·602
6243	13	6·980	23·505
6244	13	11·308	23·208
6245*	23	12·691	23·623
6246	12	22·226	23·200
6247	14	22·850	23·131
6248	14	23·301	23·312
6249	23	25·178	23·058
6250	18	2·921	24·818
6251	21	7·559	24·533
6252	11	9·167	24·590
6253*	36	13·760	24·780
6254	28	13·762	24·806
6255	13	14·461	24·209
6256	14	19·327	24·455
6257	14	19·765	24·795
6258	14	21·561	24·300
6259	13	22·404	24·587
6260	15	5·230	25·880
6261	17	5·486	25·162
6262*	53	5·732	25·353
6263	14	5·845	25·774
6264	23	7·920	25·090
6265	10	13·737	25·830
6266	13	14·251	25·537
6267	11	20·489	25·063
6268	13	24·285	25·032

R. A. 3h 4m

Plate 2088; 1903 Feb. 6.

Provisional Constants.

A	B	C
−·00053	+·00015	−·0064
D	**E**	**F**
−·00008	−·00051	−·0189

Mag. = 17·0 − 1·36 $\sqrt{d}$

No.	d	x	y
6301	35	7·601	0·480
6302	15	8·480	0·898
6303	15	15·852	0·310
6304	17	24·917	0·986
6305	16	25·566	0·964
6306	18	2·808	1·130
6307	25	7·052	1·616
6308	17	9·520	1·644
6309	14	14·515	1·893
6310	16	17·352	1·601
6311	15	17·905	1·033
6312	20	21·059	1·577
6313	15	22·603	1·480
6314*	45	1·799	2·687
6315*	66	4·695	2·704
6316*	22	8·353	2·228
6317	14	9·550	2·324
6318	16	10·428	2·294
6319	16	21·494	2·215
6320	16	22·070	2·524
6321	15	25·348	2·252
6322	28	3·677	3·970
6323	15	9·435	3·693
6324	14	16·713	3·651
6325	14	23·371	3·427
6326*	41	4·499	4·234
6327	18	11·102	4·850
6328	14	11·439	4·489
6329	13	16·816	4·391
6330	14	17·983	4·390
6331	12	22·586	4·371
6332	29	23·374	4·200
6333	29	25·188	4·463
6334	25	1·865	5·332
6335	30	4·356	5·139
6336	15	8·687	5·340
6337	15	13·731	5·449
6338	13	16·168	5·233
6339	12	16·425	5·232
6340	14	17·230	5·842
6341	11	17·796	5·020
6342	20	19·459	5·955
6343	14	19·883	5·503
6344	30	20·957	5·270
6345	15	22·071	5·300
6346*	35	25·530	5·761
6347*	43	1·494	6·163
6348	24	3·030	6·473
6349	24	3·290	6·833
6350	16	4·858	6·670
6351*	26	20·346	6·727
6352	15	25·760	6·276
6353	15	5·887	7·220
6354	15	14·616	7·055
6355	23	15·700	7·508
6356	23	16·250	7·954
6357	13	19·493	7·717
6358	17	20·639	7·150
6359	15	25·519	7·321
6360	15	0·009	8·430
6361	15	2·364	8·003
6362	16	4·304	8·010
6363	16	8·994	8·530
6364*	16	17·900	8·442
6365	15	18·033	8·226
6366	20	22·764	8·565
6367	16	4·344	9·667
6368	16	4·824	9·958
6369	19	14·426	9·744
6370	17	16·710	9·539
6371	14	17·601	9·770
6372	14	19·974	9·202
6373*	27	20·437	9·206
6374*	42	20·907	9·328
6375*	24	22·684	9·525
6376	20	24·483	9·700
6377	14	24·560	9·676
6378	19	2·794	10·154
6379	19	6·171	10·760
6380	15	7·447	10·623
6381	19	11·307	10·187
6382	16	11·768	10·380
6383	16	15·272	10·130
6384	18	16·372	10·309
6385	16	16·907	10·694
6386	25	2·034	11·557
6387	19	3·467	11·369
6388	22	4·024	11·928
6389	20	5·252	11·531
6390	15	9·446	11·630
6391	18	12·678	11·060
6392	15	13·447	11·469
6393	17	16·010	11·920
6394	18	16·950	11·547
6395	12	6·227	12·150
6396	14	10·436	12·090
6397*	25	11·603	12·621
6398	15	15·498	12·856
6399	31	16·392	12·920
6400	16	19·640	12·390
6401	14	20·584	12·894
6402	21	1·010	13·201
6403	21	2·431	13·272
6404	15	10·482	13·833
6405	15	11·203	13·900
6406*	35	12·259	13·173
6407	17	13·540	13·606
6408	16	14·740	13·489
6409	18	15·116	13·554
6410	20	15·380	13·302
6411*	35	18·287	13·489
6412	19	3·636	14·086
6413	17	10·953	14·076
6414	15	12·170	14·163
6415	19	14·800	14·144
6416	20	16·259	14·390
6417	19	16·510	14·079
6418	16	5·326	15·871
6419	16	6·096	15·235
6420	17	9·119	15·515
6421	17	15·240	15·218
6422	12	18·867	15·421
6423	17	19·129	15·422
6424	13	21·248	15·093
6425	15	22·416	15·567
6426	28	24·365	15·719
6427	14	24·500	15·904
6428	26	3·044	16·522
6429*	27	22·027	16·824
6430	18	22·094	16·636
6431	15	22·843	16·463
6432	15	1·396	17·851
6433*	38	5·940	17·884
6434	20	12·919	17·204
6435	15	16·574	17·240
6436	14	16·856	17·295
6437	12	17·246	17·386
6438	25	0·725	18·679
6439	15	2·996	18·114
6440	16	3·722	18·428
6441	15	6·972	18·599
6442	15	13·737	18·291
6443	12	18·231	18·351
6444	15	22·130	18·968
6445	14	22·183	18·763
6446	19	22·732	18·382
6447	17	5·261	19·860
6448	17	8·736	19·541
6449*	30	16·405	19·431
6450	13	16·777	19·670
6451	13	18·522	19·171
6452	25	23·903	19·129
6453*	53	1·861	20·740
6454*	40	4·262	20·423
6455	11	11·770	20·386
6456	22	11·834	20·121
6457	15	12·413	20·229
6458	22	12·514	20·460
6459	21	12·659	20·290
6460	17	13·230	20·938
6461	13	19·506	20·433
6462	14	21·705	20·194
6463	15	22·651	20·940
6464*	73	0·923	21·526
6465	28	1·070	21·980
6466	21	2·056	21·385
6467	27	2·064	21·020
6468	31	2·363	21·877
6469	23	3·879	21·528
6470	15	3·996	21·183
6471	21	6·175	21·457
6472	18	6·407	21·659
6473	14	7·697	21·717
6474	15	8·499	21·429
6475	16	10·518	21·714
6476	11	15·483	21·251
6477	25	15·504	21·737
6478*	30	17·035	21·917
6479	23	17·356	21·898
6480	27	0·876	22·756
6481	15	7·151	22·704
6482	15	7·292	22·439
6483*	27	9·640	22·882
6484	11	10·596	22·851
6485	13	21·397	22·727
6486	15	25·165	22·740
6487	37	1·888	23·090
6488	31	2·453	23·521
6489*	35	3·876	23·433
6490	20	11·780	23·906
6491	18	13·466	23·508
6492	23	14·256	23·792
6493*	44	14·836	23·134
6494	14	15·704	23·580
6495	19	16·963	23·789
6496	22	19·560	23·079
6497*	39	20·727	23·868
6498	25	5·742	24·131
6499	15	5·834	24·020
6500	17	7·805	24·095
6501*	30	16·555	24·180
6502	20	18·297	24·769
6503*	23	20·856	24·455
6504	15	23·163	24·528
6505	23	24·403	24·964
6506	25	5·050	25·720
6507	16	8·646	25·299
6508	26	9·963	25·857
6509	15	20·220	25·219
6510	28	20·537	25·748
6511	25	24·744	25·440

R. A. 3h 13m

Plate 2089; 1903 Feb. 6.

Provisional Constants.

A	B	C
−·00019	−·00049	−·0665
D	**E**	**F**
+·00053	−·00038	−·0192

Mag. = 16·0 − 1·36 $\sqrt{d}$

No.	d	x	y
6601	22	1·478	0·984
6602	22	2·135	0·951
6603	12	9·465	0·630
6604*	32	11·044	0·581
6605	13	16·396	0·732
6606*	23	18·400	0·508
6607	33	18·715	0·011
6608	13	10·400	1·302
6609	11	12·909	1·585
6610	13	16·343	1·021
6611	13	20·855	1·836
6612	23	24·187	1·257
6613	15	1·937	2·246
6614	23	4·816	2·614
6615	13	12·400	2·471
6616	13	17·900	2·889
6617	23	21·529	2·750
6618	15	23·717	2·018
6619*	39	24·300	2·036
6620*	70	3·210	3·240
6621	14	4·080	3·754
6622	17	4·539	3·766
6623	13	10·142	3·722
6624	12	13·211	3·406
6625	21	17·337	3·624
6626	12	21·125	3·699
6627	13	24·474	3·318
6628	17	25·221	3·809
6629	23	0·000	4·229
6630	23	1·822	4·459
6631	13	9·466	4·355
6632	10	12·600	4·811
6633	14	16·855	4·826
6634*	26	2·188	5·749
6635	11	6·660	5·550
6636	13	6·875	5·493
6637	22	10·400	5·063
6638*	33	18·609	5·874
6639	18	21·454	5·351
6640	13	2·428	6·262
6641	11	6·566	6·036
6642*	24	8·460	6·770
6643	12	8·745	6·842
6644	13	9·270	6·214
6645*	31	10·556	6·529
6646*	24	16·549	6·860
6647	21	16·819	6·139
6648	18	2·209	7·309
6649	23	5·950	7·047
6650	12	17·736	7·772
6651	15	20·451	7·000
6652	13	25·241	7·106
6653	20	3·722	8·755
6654	12	4·588	8·870
6655	13	8·438	8·210
6656	12	8·605	8·885
6657	13	9·282	8·800
6658	12	13·047	8·320
6659	14	21·101	8·236
6660*	39	23·908	8·573
6661	13	1·019	9·958
6662	15	1·217	9·707
6663	15	1·298	9·683
6664	10	6·261	9·066
6665*	23	7·260	9·014
6666*	43	11·034	9·027
6667*	30	15·561	9·672
6668	12	6·630	10·516
6669*	51	9·205	10·121
6670	13	14·355	10·842
6671	22	18·099	10·324
6672	10	23·609	10·640
6673	13	2·975	11·852
6674	23	22·580	11·387
6675	13	3·360	12·958
6676	12	4·044	12·449
6677	11	5·649	12·031
6678	16	5·715	12·533
6679	10	5·949	12·961
6680	11	7·919	12·259
6681	21	8·304	12·966
6682	13	8·666	12·920
6683	11	21·450	12·877
6684	14	0·182	13·051
6685	13	0·892	13·018
6686	13	2·477	13·979
6687	10	3·740	13·368
6688	11	4·794	13·295
6689	13	10·050	13·785
6690	13	10·944	13·767
6691	14	17·320	13·713
6692	13	17·709	13·684
6693	13	20·282	13·488
6694*	35	21·020	13·673
6695	11	2·878	14·562
6696	13	4·674	14·950
6697	13	25·300	14·430
6698	17	1·220	15·726
6699	13	1·355	15·911
6700	11	12·902	15·130
6701	11	20·073	15·630
6702	10	21·399	15·212
6703	21	21·806	15·915
6704	13	21·970	15·989
6705	10	5·350	16·403
6706	13	7·270	16·251
6707	13	16·558	16·194
6708*	39	19·835	16·569
6709	10	20·146	16·945
6710*	30	21·170	16·020
6711	13	21·222	16·140
6712	13	21·697	16·879
6713	13	23·931	16·277
6714	13	6·037	17·406
6715	13	8·223	17·922
6716	16	15·511	17·144
6717	10	18·350	17·160
6718	14	4·186	18·424

6719	10	7·307	18·315
6720	12	16·976	18·350
6721	10	17·489	18·915
6722	13	19·523	18·284
6723*	14	20·851	18·828
6724	22	0·822	19·145
6725	11	3·041	19·033
6726	17	4·131	19·385
6727	10	4·276	19·446
6728	10	4·420	19·237
6729*	23	5·600	19·678
6730	13	17·009	19·391
6731	23	17·842	19·240
6732	13	18·880	19·718
6733	14	22·341	19·875
6734	11	22·480	19·238
6735	13	24·680	19·227
6736	16	4·055	20·424
6737	14	7·864	20·886
6738	13	8·928	20·535
6739	12	11·690	20·840
6740	12	12·418	20·425
6741*	22	15·295	20·885
6742	13	16·700	20·224
6743	10	19·083	20·581
6744*	23	22·678	20·971
6745	13	22·770	20·969
6746*	23	23·785	20·462
6747	11	24·687	20·559
6748	13	7·505	21·648
6749*	32	11·470	21·256
6750	12	12·800	21·138
6751	13	13·940	21·327
6752	12	19·121	21·924
6753	13	22·334	21·776
6754	17	2·155	22·732
6755	18	2·379	22·356
6756	18	5·167	22·121
6757	12	5·934	22·304
6758*	48	6·358	22·796
6759	10	7·490	22·251
6760	23	8·236	22·071
6761	13	9·160	22·776
6762	10	11·890	22·908
6763	10	12·050	22·838
6764	11	15·451	22·621
6765	10	16·880	22·622
6766	11	17·770	22·120
6767	12	24·200	22·606
6768	22	5·024	23·818
6769	11	7·620	23·290
6770	11	8·093	23·937
6771	12	10·285	23·468
6772	13	13·887	23·303
6773	11	13·940	23·550
6774	13	14·400	23·741
6775	12	14·964	23·620
6776	13	16·945	23·503
6777	13	17·684	23·969
6778*	32	21·401	23·594
6779	13	21·430	23·230
6780	20	23·945	23·355
6781	28	1·438	24·970
6782	14	3·676	24·030
6783	24	5·439	24·706
6784	16	6·570	24·686
6785	12	7·769	24·551
6786	12	8·035	24·300
6787	18	8·266	24·436
6788	13	10·211	24·781
6789	12	16·421	24·406
6790	12	16·861	24·709
6791	10	20·623	24·732
6792	13	21·805	24·406
6793	12	22·336	24·072
6794	22	23·334	24·099
6795	16	23·496	24·919
6796	23	1·785	25·443
6797	13	13·831	25·423
6798	21	16·100	25·970
6799	14	18·669	25·433
6800	16	22·160	25·481

R. A. 3^h 22^m

Plate 2090; 1903 Feb. 6.

Provisional Constants.

A	B	C
−·00057	+·00195	−·0164
D	**E**	**F**
−·00198	−·00033	+·0006

Mag. = 17·0 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
6801	9	10·009	0·895
6802	9	12·316	0·595
6803	27	17·534	0·990
6804	43	0·864	1·270
6805*	51	14·649	1·315
6806	17	18·176	1·396
6807	33	0·405	2·039
6808*	70	0·989	2·047
6809	20	7·180	2·534
6810	20	11·915	2·804
6811	13	16·734	2·499
6812	19	1·197	3·327
6813	11	1·653	3·416
6814	20	1·956	3·800
6815	13	9·677	3·637
6816	12	9·866	3·740
6817	10	12·092	3·710
6818	16	25·702	3·849
6819	9	10·495	4·658
6820	10	12·496	4·841
6821	21	14·941	4·340
6822	9	19·486	4·095
6823	10	22·936	4·310
6824*	30	6·880	5·671
6825	21	11·286	5·441
6826	22	14·081	5·960
6827	11	14·620	5·074
6828	20	22·209	5·094
6829	12	25·564	5·172
6830	12	8·734	6·241
6831	8	9·878	6·183
6832	12	18·901	6·246
6833	18	2·047	7·094
6834	11	6·496	7·754
6835*	30	7·021	7·950
6836	14	11·429	7·886
6837	9	11·730	7·825
6838*	60	0·750	8·591
6839	11	8·567	8·375
6840	10	13·847	8·219
6841	8	14·195	8·347
6842	18	17·336	8·955
6843	19	17·548	8·555
6844	9	18·820	8·587
6845	11	22·294	8·216
6846	12	5·390	9·673
6847	8	19·267	9·985
6848	9	20·161	9·626
6849	10	0·496	10·665
6850	10	7·085	10·155
6851	10	12·893	10·931
6852	25	18·469	10·244
6853	17	19·057	10·182
6854	8	23·085	10·625
6855	12	24·000	10·722
6856	10	7·805	11·588
6857	23	11·742	11·916
6858	21	15·011	11·676
6859	12	20·620	11·048
6860	10	20·645	11·257
6861	9	0·324	12·923
6862	17	17·295	12·505
6863	10	19·255	12·388
6864	10	19·679	12·740
6865	10	20·382	12·729
6866	10	22·393	12·006
6867*	34	3·986	13·656
6868	9	5·758	13·348
6869	9	8·455	13·885
6870	10	11·444	13·145
6871*	31	11·764	13·553
6872	20	15·956	13·808
6873	20	2·272	14·416
6874	10	10·037	14·616
6875	13	17·678	14·749
6876	10	23·332	14·873
6877*	40	24·046	14·484
6878	10	9·666	15·514
6879	10	24·205	15·143
6880	11	0·116	16·028
6881	25	0·950	16·293
6882	14	11·746	16·538
6883	10	19·388	16·264
6884*	38	24·107	16·706
6885*	41	5·893	17·540
6886	9	6·120	17·084
6887	10	11·786	17·563
6888	20	23·603	17·081
6889	16	25·295	17·870
6890*	43	8·730	18·627
6891*	30	20·360	18·384
6892	18	1·760	19·226
6893	12	8·844	19·436
6894*	36	13·144	19·760
6895	10	18·769	19·437
6896	11	22·350	19·497
6897*	50	0·896	20·482
6898	10	1·795	20·557
6899	11	5·398	20·966
6900	13	9·988	20·649
6901	11	13·370	20·936
6902	9	17·773	20·304
6903	8	18·570	20·886
6904	10	19·790	20·353
6905	8	3·109	21·525
6906	11	7·124	21·176
6907	10	7·280	21·593
6908	14	8·166	21·847
6909	10	9·756	21·835
6910	12	9·771	21·660
6911	10	17·281	21·655
6912	19	17·335	21·464
6913	24	25·753	21·896
6914	12	3·201	22·152
6915	26	8·039	22·717
6916	10	13·119	22·792
6917	21	15·226	22·434
6918	10	22·540	22 626
6919	13	23·154	22·233
6920	23	1·117	23·370
6921	10	3·295	23·794
6922	8	7·070	23·355
6923	11	8·047	23·563
6924	10	10·277	23·964
6925	19	11·439	23·219
6926	17	11·795	23·934
6927	10	11·843	23·498
6928	10	13·204	23·740
6929	10	14·056	23·507
6930	12	17·153	23·033
6931	40	0·525	24·128
6932	30	0·704	24·946
6933	10	10·609	24·342
6934*	16	11·100	24·576
6935	13	11·544	24·904
6936	10	11·551	24·884
6937	10	14·394	24·637
6938	9	17·279	24·757
6939	19	20·776	24·835
6940*	49	5·424	25·316
6941	10	8·096	25·447
6942	10	8·338	25·634
6943	10	9·700	25·315
6944	13	10·470	25·841
6945*	31	13·485	25·109
6946	10	16·365	25·646
6947	14	19·716	25·194

R. A. 3^h 31^m

Plate 2311; 1903 Oct. 30.

Provisional Constants.

A	B	C
−·00079	+·00184	+·1066
D	**E**	**F**
−·00129	−·00045	+·1500

Mag. = 16·2 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
7001	12	8·696	0·266
7002	12	9·920	0·839
7003	8	19·276	0·384
7004	22	24·633	0·231
7005	23	5·330	1·511
7006	13	7·058	1·964
7007	11	20·830	1·189
7008	12	21·400	1·664
7009	10	21·446	1·677
7010	12	11·627	2·761
7011	12	12·670	2·366
7012	22	15·047	2·258
7013	11	19·665	2·640
7014	13	21·760	2·016
7015	11	5·535	3·637
7016	10	8·720	3·237
7017	10	14·802	3·779
7018	10	15·463	3·210
7019	11	25·247	3·295
7020	13	2·509	4·027
7021	13	5·330	4·929
7022	22	10·659	4·25
7023	22	11·221	4·26
7024	13	15·655	4·35
7025	11	2·399	5·35
7026	13	4·678	5·59
7027	13	12·810	5·06
7028	12	19·785	5·11
7029	10	22·722	5·17
7030	11	7·150	6·17
7031	11	24·750	6·75
7032	12	6·210	7·17
7033	21	15·830	7·44
7034	12	9·229	8·28
7035	11	9·826	9·71
7036	13	0·940	10·93
7037*	41	11·580	10·04
7038*	42	12·927	10·66
7039*	55	13·858	10·60
7040*	31	8·745	11·87
7041	13	22·434	11·35
7042	10	7·002	12·25
7043	12	22·751	12·90
7044	22	17·427	13·99
7045	26	20·471	13·03
7046	22	21·624	13·05
7047*	38	1·063	14·69
7048	22	23·318	14·68
7049	10	0·352	15·09
7050	14	11·786	15·35
7051	15	14·747	15·47
7052*	40	1·168	16·91
7053	29	10·499	16·59
7054	22	13·152	16·31
7055*	32	14·057	16·58
7056	11	19·566	16·50
7057	22	22·990	16·46
7058	22	24·453	16·54
7059	17	0·668	17·29
7060	12	5·342	17·99
7061*	30	8·366	17·59
7062	12	8·849	17·00
7063*	49	9·052	17·29
7064	11	10·670	17·33
7065	10	22·307	17·07
7066*	31	25·996	17·45
7067	13	2·377	18·05
7068	12	6·636	18·48
7069	13	8·754	18·74
7070	10	11·771	18·04
7071	10	11·898	18·55
7072	10	18·460	18·81
7073	22	24·925	18·24
7074	13	6·050	19·56
7075	11	6·690	19·70
7076	12	10·140	19·01
7077*	31	22·287	19·21
7078	20	4·501	20·80
7079	16	14·490	20·24
7080	10	14·510	20·42
7081	11	16·613	20·49
7082	10	17·061	20·87
7083*	22	19·995	20·34
7084	13	6·601	21·48
7085*	46	7·487	21·34
7086	11	7·488	21·89
7087	10	8·965	21·05
7088*	32	11·400	21·48
7089	12	17·969	21·72
7090	13	18·909	21·85
7091	10	23·308	21·24
7092	22	2·911	22·06
7093	15	3·655	22·41
7094*	30	4·721	22·12
7095	13	4·750	22·09

7096	10	7·967	22·818
7097	12	8·546	22·682
7098	10	9·122	22·784
7099	10	14·017	22·711
7100	10	14·055	22·803
7101	10	22·306	22·444
7102*	32	22·752	22·705
7103	20	12·875	23·180
7104	10	15·031	23·230
7105	12	17·719	23·911
7106	14	20·808	23·101
7107	18	10·640	24·179
7108	10	13·210	24·295
7109	11	13·253	24·670
7110	22	17·363	24·184
7111	12	17·480	24·040
7112	12	9·620	25·202
7113	22	22·592	25·301
7114	32	25·090	25·966

R. A. 3h 40m

Plate 2113; 1903 Feb. 18.

Provisional Constants.

A	B	C
−·00051	−·00172	−·0809
D	**E**	**F**
+·00162	−·00048	−·0833

Mag. = 16·0 − 1·36 √d

No.	d	x	y
7201	23	1·051	0·021
7202*	23	4·060	0·410
7203*	22	4·079	0·404
7204	11	4·879	0·137
7205	22	5·225	0·554
7206	13	5·784	0·381
7207	13	6·292	0·134
7208	13	8·290	0·818
7209	10	9·752	0·898
7210	10	10·276	0·740
7211	13	10·426	0·293
7212	13	11·807	0·499
7213	22	4·625	1·392
7214	10	7·751	1·451
7215	10	11·512	1·316
7216	13	15·875	1·570
7217	10	17·941	1·888
7218	13	7·492	2·417
7219	18	7·636	2·389
7220	10	10·036	2·289
7221	13	10·355	2·220
7222	10	11·409	2·250
7223	10	13·480	2·302
7224	13	13·882	2·136
7225	10	16·170	2·570
7226	10	18·966	2·234
7227	13	19·640	2·466
7228	11	21·243	2·861
7229	22	24·453	2·537
7230	15	1·716	3·080
7231	12	5·320	3·858
7232	13	9·744	3·128
7233	10	11·170	3·478
7234	21	13·010	3·480
7235	11	24·500	3·170
7236	11	11·270	4·795
7237	10	13·930	4·213
7238	10	18·443	4·770
7239	10	21·893	4·164
7240	11	8·428	5·794
7241	9	9·748	5·120
7242	13	10·104	5·678
7243	12	11·331	5·411
7244*	29	19·063	5·150
7245	10	21·199	5·516
7246	10	22·651	5·150
7247	11	22·800	5·800
7248*	25	24·954	5·671
7249	10	25·168	5·898
7250	10	8·218	6·700
7251	11	12·544	6·686
7252	11	13·462	6·497
7253	22	14·505	6·910
7254	10	21·440	6·482
7255	10	23·068	6·028
7256	10	24·737	6·311
7257	13	5·166	7·341
7258	13	10·066	7·920
7259	10	10·434	7·206
7260	20	13·966	7·670
7261	14	15·126	7·524
7262	13	17·137	7·836
7263	13	6·921	8·290
7264	12	8·886	8·194
7265	22	9·955	8·054
7266	10	11·378	8·962
7267	13	11·674	8·499
7268	11	14·926	8·756
7269	11	20·380	8·799
7270	10	22·181	8·039
7271	10	6·786	9·911
7272	13	11·936	9·161
7273	10	24·757	9·350
7274	11	9·114	10·897
7275*	23	10·029	10·283
7276	13	18·015	10·643
7277*	22	20·555	10·708
7278	13	22·528	10·256
7279	26	2·800	11·124
7280	10	23·902	11·242
7281	12	19·220	12·930
7282	11	22·316	12·090
7283	10	2·701	14·043
7284	10	10·239	14·631
7285	10	20·938	14·142
7286	13	21·509	14·241
7287	11	22·936	14·722
7288	11	13·635	15·154
7289	13	19·328	15·782
7290*	32	23·650	15·992
7291	10	25·840	15·107
7292	22	1·146	16·340
7293*	22	4·543	16·926
7294	11	5·210	16·631
7295	20	13·625	16·811
7296	10	15·054	16·209
7297*	31	2·704	17·231
7298*	19	18·148	17·390
7299	10	19·003	17·306
7300	10	24·451	17·351
7301	10	24·660	17·699
7302	14	1·647	18·038
7303	10	15·424	18·744
7304	13	20·484	18·103
7305*	22	19·970	19·762
7306	13	4·586	20·801
7307*	39	18·300	20·809
7308	13	18·496	20·332
7309	10	21·204	20·050
7310*	23	11·686	21·355
7311	11	20·518	21·694
7312	10	23·927	21·259
7313*	22	7·462	22·581
7314	22	7·493	22·559
7315	12	7·990	22·657
7316	15	8·424	22·406
7317	10	22·047	22·357
7318	13	7·014	23·087
7319	10	7·909	23·033
7320	13	8·144	23·179
7321	11	8·403	23·120
7322*	32	8·549	23·089
7323	19	8·597	23·150
7324	11	12·026	23·718
7325	13	12·745	23·704
7326*	52	16·794	23·578
7327	12	17·289	23·682
7328*	32	24·818	23·417
7329*	88	7·900	24·589
7330	11	9·228	24·961
7331*	32	10·776	24·594
7332	12	11·815	24·572
7333*	25	13·167	24·243
7334*	52	13·890	24·668
7335	10	16·454	24·503
7336	21	16·602	24·350
7337	20	18·477	24·911
7338*	42	20·080	24·452
7339	10	24·228	24·088
7340	18	0·118	25·868
7341	35	1·938	25·751
7342	19	3·350	25·782
7343	10	21·192	25·370
7344	11	21·743	25·719

R. A. 3h 49m

Plate 2114; 1903 Feb. 18.

Provisional Constants.

A	B	C
−·00038	+·00120	+·0152
D	**E**	**F**
−·00086	−·00041	+·0516

Mag. = 16·8 − 1·36 √d

No.	d	x	y
7401	16	3·384	0·911
7402	10	18·402	0·249
7403	12	24·717	0·110
7404	20	2·863	1·826
7405	12	16·590	1·450
7406	41	1·212	2·635
7407	10	11·376	2·950
7408*	30	25·247	2·837
7409	19	7·890	3·692
7410	10	11·862	3·459
7411	20	25·970	3·477
7412·	9	7·889	4·036
7413	10	9·626	4·582
7414	9	14·950	4·936
7415	11	17·622	4·016
7416	15	23·007	4·940
7417	10	23·640	4·600
7418	10	23·811	4·744
7419	16	24·939	4·537
7420	9	25·372	4·429
7421	10	25·399	4·479
7422*	41	1·784	5·758
7423	12	4·559	5·394
7424	10	5·466	5·160
7425	13	7·469	5·286
7426	11	10·440	5·924
7427	10	10·480	5·037
7428*	20	14·298	5·706
7429	10	15·507	5·578
7430	9	17·097	5·302
7431	10	19·755	5·290
7432	12	21·215	5·144
7433	12	1·580	6·403
7434*	24	8·777	6·764
7435	9	16·769	6·076
7436	10	19·582	6·661
7437	9	20·471	6·418
7438	9	23·894	6·606
7439	10	24·505	6·967
7440	10	4·064	7·822
7441	14	4·242	7·216
7442	10	5·023	7·751
7443	11	10·982	7·506
7444	10	13·782	7·266
7445	10	14·029	7·494
7446	10	17·232	7·691
7447	10	18·098	7·277
7448	10	18·329	7·620
7449	11	19·250	7·220
7450	10	19·646	7·524
7451	22	24·450	7·064
7452	22	24·935	7·254
7453	10	5·768	8·360
7454	10	10·106	8·340
7455	10	11·590	8·841
7456	10	12·044	8·000
7457	10	17·490	8·224
7458	9	19·360	8·874
7459	10	23·690	8·284
7460	18	24·941	8·084
7461	12	1·670	9·441
7462*	23	10·696	9·470
7463	10	15·755	9·185
7464	18	20·204	9·508
7465	9	20·958	9·694
7466	11	22·235	9·952
7467	13	3·050	10·755
7468	10	7·550	10·644
7469	15	11·321	10·727
7470*	60	13·366	10·055
7471	11	20·597	10·903
7472	11	20·657	10·102
7473	10	22·140	10·399
7474	14	22·829	10·535
7475	10	24·735	10·666
7476	10	24·921	10·439
7477	12	0·863	11·354
7478	20	4·276	11·540
7479*	53	4·862	11·495
7480	23	5·490	11·180
7481	11	6·720	11·775
7482	22	9·406	11·720
7483	10	11·471	11·661
7484	10	21·419	11·144
7485	9	21·640	11·287
7486	12	24·869	11·858
7487	8	25·502	11·557
7488	12	3·068	12·030
7489	12	3·341	12·046
7490	9	3·712	12·648
7491	10	3·770	12·389
7492	18	3·929	12·370
7493	9	4·636	12·480
7494	10	7·755	12·834
7495	10	17·544	12·528
7496	12	22·136	12·576
7497	9	24·062	12·209
7498	9	24·467	12·157
7499	14	24·537	12·145
7500	10	24·854	12·791
7501	10	25·099	12·543
7502	9	6·100	13·996
7503	9	7·910	13·540
7504	10	14·306	13·655
7505	10	15·784	13·030
7506	15	17·547	13·266
7507	10	20·058	13·745
7508	11	21·129	13·477
7509	21	22·100	13·920
7510	10	23·096	13·507
7511*	30	24·426	13·977
7512	24	3·388	14·628
7513	10	6·091	14·631
7514	9	6·750	14·894
7515	10	14·950	14·505
7516	10	15·698	14·849
7517	10	16·531	14·945
7518*	30	21·530	14·508
7519	10	21·718	14·098
7520	9	22·115	14·041
7521	8	22·720	14·360
7522	10	23·144	14·010
7523	10	23·964	14·430
7524*	21	24·649	14·050
7525	10	2·891	15·169
7526	10	5·231	15·178
7527	11	5·280	15·826
7528	10	7·624	15·509
2529*	19	7·805	15·376
7530	10	8·214	15·152
7531	10	12·487	15·888
7532	10	20·720	15·777
7533	22	25·066	15·474
7534*	55	0·720	16·108
7535	9	4·075	16·699
7536	10	8·272	16·060
7537	9	8·803	16·504
7538	10	9·595	16·124
7539	12	17·408	16·728
7540	14	1·552	17·446
7541	9	11·225	17·370
7542	10	20·481	17·376
7543	9	18·156	18·407
7544	10	22·600	18·033
7545	19	24·322	18·209
7546	22	25·080	18·959
7547	10	8·556	19·560
7548	19	9·992	19·796
7549	22	10·047	19·685
7550	8	12·220	19·689
7551	10	12·796	19·786
7552	15	16·592	19·914
7553	16	16·911	19·650
7554	9	17·132	19·758
7555	9	19·630	19·919
7556	10	23·963	19·116
7557	10	4·381	20·511
7558	12	5·850	20·536
7559	10	6·994	20·483
7560	11	9·979	20·115
7561*	140	10·085	20·088

No.	d	x	y
7562	10	11·318	20·760
7563	15	13·700	20·120
7564	9	19·219	20·132
7565	9	21·376	20·726
7566	16	24·540	20·215
7567*	31	5·044	21·690
7568*	32	5·402	21·116
7569	11	5·428	21·572
7570	22	10·850	21·035
7571	9	11·948	21·216
7572	9	12·479	21·169
7573	9	12·530	21·822
7574	12	13·826	21·818
7575	9	17·634	21·524
7576	21	17·841	21·742
7577	10	17·915	21·694
7578	9	20·944	21·459
7579	20	22·638	21·973
7580*	20	22·713	21·767
7581	20	23·870	21·933
7582	9	24·500	21·126
7583	15	8·774	22·463
7584	10	10·984	22·090
7585	8	11·011	22·100
7586	12	16·021	22·005
7587	11	22·934	22·064
7588	18	24·236	22·048
7589	12	24·482	22·024
7590	12	24·670	22·707
7591*	32	24·697	22·430
7592	14	25·264	22·665
7593*	42	2·058	23·502
7594	16	7·371	23·904
7595	10	7·587	23·408
7596	10	10·086	23·600
7597	9	12·017	23·290
7598	10	13·929	23·282
7599*	31	14·587	23·374
7600*	33	14·750	23·476
7601	11	17·943	23·417
7602	10	18·474	23·464
7603	10	18·719	23·757
7604	12	20·403	23·587
7605	10	22·000	23·241
7606	17	24·745	23·721
7607	15	25·740	23·394
7608	22	4·235	24·585
7609	10	7·450	24·336
7610	12	8·136	24·928
7611	10	11·685	24·624
7612	9	14·966	24·525
7613	10	17·398	24·465
7614	10	19·446	24·240
7615	10	19·732	24·100
7616	12	23·115	24·324
7617	12	5·941	25·631
7618*	24	20·944	25·898
7619	12	23·051	25·277

R. A. 3^h 58^m

Plate 2115; 1903 Feb. 18.

Provisional Constants.

A	B	C
−·00045	+·00257	−·1551
D	**E**	**F**
−·00264	−·00050	+·0073

Mag. = 15·9 − 1·36 √*d*

No.	d	x	y
7701	17	3·115	0·351
7702*	19	4·576	0·140
7703*	13	6·255	0·689
7704	13	7·858	0·044
7705	10	13·514	0·355
7706	10	17·760	0·379
7707	13	17·692	1·931
7708*	32	19·637	1·019
7709*	32	1·736	2·799
7710	22	7·392	2·114
7711	10	15·329	2·528
7712	13	16·631	2·798
7713	13	17·815	2·306
7714	18	2·479	3·422
7715	10	9·151	3·535
7716	11	9·234	3·032
7717	12	11·194	3·415
7718	10	12·344	3·042
7719	10	14·480	3·240
7720	10	22·927	3·678
7721	11	25·617	3·421
7722	21	1·467	4·504
7723	13	3·914	4·199
7724	10	5·530	4·319
7725	11	6·990	4·528
7726	10	7·249	4·758
7727	10	8·011	4·656
7728	11	8·973	4·095
7729*	23	9·358	4·523
7730	10	12·827	4·638
7731	13	21·090	5·823
7732	28	25·847	5·541
7733	11	2·660	6·866
7734	11	3·332	6·657
7735	13	7·110	6·067
7736	14	7·667	6·424
7737	13	8·665	6·940
7738*	23	11·061	6·222
7739	22	1·033	7·042
7740	22	1·520	7·220
7741	21	3·528	7·372
7742	10	4·504	7·077
7743	11	8·349	7·899
7744	13	9·099	7·300
7745	10	11·916	7·349
7746	13	12·251	7·289
7747	11	12·561	7·657
7748	12	12·800	7·510
7749	11	14·247	7·659
7750	13	16·430	7·293
7751*	22	21·892	7·389
7752*	13	23·070	7·789
7753*	23	25·783	7·134
7754	22	1·545	8·049
7755	14	4·316	8·572
7756	10	6·085	8·578
7757	13	6·570	8·565
7758*	23	7·294	8·064
7759	10	8·770	8·968
7760	11	8·864	8·776
7761	10	9·949	8·806
7762	11	10·880	8·572
7763	21	11·793	8·856
7764*	31	13·811	8·276
7765	11	17·304	8·180
7766*	32	25·164	8·831
7767	13	4·979	9·276
7768	10	5·541	9·672
7769	13	6·589	9·280
7770	10	7·484	9·266
7771	11	8·970	9·894
7772	11	9·623	9·524
7773	12	10·835	9·289
7774	11	11·745	9·114
7775	10	11·944	9·127
7776	11	14·794	9·207
7777	11	17·000	9·128
7778	12	20·495	9·877
7779	22	20·534	9·968
7780	13	23·514	9·907
7781	15	1·393	10·634
7782	11	1·575	10·405
7783	18	3·751	10·962
7784	13	5·399	10·161
7785	10	5·714	10·594
7786	12	10·751	10·048
7787	11	12·577	10·514
7788	13	13·604	10·075
7789	11	18·840	10·859
7790	10	22·329	10·351
7791	13	23·954	10·226
7792	13	25·655	10·967
7793	13	1·554	11·822
7794	10	10·479	11·462
7795	11	13·576	11·239
7796	10	18·701	11·500
7797	13	1·230	12·119
7798	11	1·799	12·502
7799	13	2·926	12·724
7800	10	5·237	12·860
7801	13	8·050	12·722
7802	10	10·597	12·122
7803	11	11·233	12·654
7804	13	13·995	12·587
7805	20	21·393	12·281
7806*	31	1·159	13·952
7807*	34	8·075	13·660
7808	11	8·263	13·460
7809	9	8·907	13·619
7810	10	9·955	13·058
7811	11	13·736	13·160
7812	11	22·340	13·479
7813	10	24·270	13·933
7814	11	25·925	13·513
7815	13	0·705	14·415
7816*	19	1·382	14·020
7817	11	4·375	14·714
7818	11	5·825	14·037
7819	10	6·097	14·206
7820	10	7·215	14·400
7821	10	11·064	14·497
7822	10	11·250	14·309
7823	10	12·571	14·539
7824	12	12·708	14·166
7825	13	12·994	14·347
7826	11	15·639	14·393
7827	13	19·503	14·759
7828	10	20·167	14·238
7829	13	20·891	14·811
7830	23	24·080	14·376
7831	13	24·100	14·636
7832	21	1·828	15·434
7833	13	4·170	15·392
7834	10	5·237	15·838
7835*	34	8·215	15·527
7836*	37	16·093	15·652
7837	10	22·480	15·469
7838	11	23·280	15·321
7839	10	8·237	16·151
7840	10	8·349	16·585
7841	8	8·358	16·649
7842	11	8·611	16·910
7843	9	17·890	16·599
7844	10	18·234	16·507
7845*	13	20·213	16·493
7846	13	20·494	16·007
7847	10	23·262	16·723
7848	11	23·430	16·324
7849*	33	23·501	16·175
7850	10	24·016	16·404
7851	10	3·621	17·143
7852	11	7·019	17·393
7853	10	9·100	17·030
7854	73	12·222	17·033
7855	11	18·913	17·737
7856	10	20·187	17·466
7857	10	23·370	17·424
7858	10	24·689	17·638
7859	13	1·146	18·186
7860	20	1·920	18·918
7861	13	4·276	18·231
7862	13	7·729	18·470
7863	11	8·844	18·103
7864	11	15·607	18·046
7865	13	15·766	18·732
7866	11	20·500	18·072
7867	11	25·651	18·437
7868	10	25·722	18·497
7869	13	0·805	19·102
7870	12	8·220	19·901
7871	16	8·550	19·580
7872	10	11·691	19·751
7873	13	11·740	19·463
7874	10	12·511	19·379
7875	9	15·128	19·490
7876	13	16·124	19·488
7877	10	16·392	19·451
7878	13	16·866	19·458
7879*	28	20·988	19·436
7880	10	21·267	19·596
7881	13	21·370	19·275
7882	11	21·527	19·608
7883	9	21·588	19·679
7884	10	24·004	19·598
7885	13	25·397	19·097
7886	13	1·407	20·189
7887	13	4·048	20·658
7888	22	9·387	20·816
7889	10	11·319	20·597
7890	9	13·950	20·620
7891	10	14·309	20·147
7892	10	15·661	20·438
7893	10	16·820	20·040
7894	13	17·401	20·383
7895	9	18·320	20·266
7896	13	20·289	20·653
7897	14	23·580	20·684
7898	10	25·683	20·000
7899	22	0·771	21·918
7900	14	1·389	21·996
7901	22	6·865	21·304
7902	12	8·261	21·107
7903	10	10·442	21·565
7904	10	10·645	21·649
7905	10	11·304	21·400
7906	10	11·801	21·353
7907	10	12·099	21·756
7908	11	12·113	21·414
7909	13	12·958	21·136
7910	10	13·542	21·673
7911*	13	16·307	21·749
7912	11	21·689	21·400
7913	22	1·144	22·025
7914	10	1·589	22·675
7915*	32	1·609	22·397
7916	13	2·186	22·621
7917	16	3·830	22·541
7918	13	5·870	22·126
7919	13	7·814	22·794
7920	13	8·398	22·020
7921	13	11·233	22·897
7922	9	13·550	22·189
7923	11	14·671	22·094
7924	13	15·601	22·431
7925	11	16·160	22·320
7926	11	20·044	22·562
7927	10	21·349	22·140
7928	13	25·106	22·722
7929	19	1·685	23·689
7930	18	2·677	23·339
7931	18	5·245	23·744
7932	20	5·420	23·054
7933	22	7·066	23·704
7934	14	8·792	23·470
7935	13	8·818	23·493
7936	13	9·635	23·988
7937	10	10·962	23·172
7938	13	12·840	23·956
7939	11	12·914	23·170
7940	14	14·662	23·171
7941	10	16·161	23·411
7942	10	18·249	23·518
7943	13	20·355	23·957
7944	10	21·865	23·078
7945	10	24·790	23·546
7946*	40	5·495	24·855
7947*	31	6·400	24·210
7948	22	6·640	24·830
7949	13	9·884	24·692
7950	16	9·951	24·104
7951	10	10·628	24·874
7952	13	11·820	24·472
7953	11	11·940	24·401
7954	9	12·083	24·292
7955	10	14·090	24·534
7956	12	15·566	24·420
7957	13	20·004	24·289
7958	13	21·411	24·554
7959	13	22·674	24·829
7960	10	22·914	24·036
7961*	24	3·089	25·106
7962	22	4·129	25·888
7963	19	6·937	25·564
7964	11	8·521	25·212
7965	13	9·310	25·474
7966	12	9·717	25·204
7967	13	10·116	25·634
7968	9	10·269	25·531
7969	13	12·382	25·400
7970	13	14·041	25·562
7971	11	14·500	25·435
7972	12	20·734	25·887
7973	10	20·815	25·590

R. A. 4h 7m

Plate 2052; 1902 Nov. 12.

Provisional Constants.

A	B	C
−·00063	−·00173	−·0332
D	**E**	**F**
+·00218	−·00081	−·3153

Mag. = 16·3 − 1·36 √d

No.	d	x	y
8001	12	14·460	0·885
8002	13	14·837	0·794
8003	10	17·609	0·305
8004	12	23·044	0·889
8005	14	23·456	0·395
8006	12	14·953	1·821
8007	9	15·350	1·880
8008	10	16·648	1·250
8009*	19	19·616	1·690
8010*	10	19·900	1·572
8011	29	25·771	1·855
8012	15	7·215	2·616
8013	15	9·565	2·165
8014*	23	10·194	2·602
8015	10	12·235	2·508
8016	9	19·836	2·830
8017	13	21·780	2·936
8018	13	8·600	3·766
8019*	14	9·820	3·520
8020	10	10·413	3·283
8021	10	19·051	3·604
8022	10	19·883	3·638
8023	15	4·131	4·724
8024	13	10·094	4·520
8025	9	14·419	4·675
8026	11	15·304	4·677
8027*	13	18·282	4·390
8028	14	20·149	4·016
8029	14	21·499	4·117
8030	9	22·434	4·129
8031*	22	23·131	4·452
8032*	14	23·855	4·127
8033*	37	2·662	5·263
8034*	26	5·260	5·341
8035	10	18·470	5·640
8036	15	18·577	5·910
8037	13	19·114	5·700
8038	10	19·299	5·750
8039	10	21·891	5·773
8040	8	22·510	5·470
8041*	33	2·623	6·855
8042	9	5·250	6·958
8043	22	5·694	6·726
8044	12	9·606	6·979
8045	15	14·740	6·344
8046	21	20·861	6·382
8047	9	23·188	6·258
8048	9	10·794	7·714
8049	14	10·891	7·648
8050	16	11·663	7·154
8051	15	16·054	7·935
8052	16	17·070	7·720
8053*	34	17·330	7·731
8054	17	19·821	7·939
8055	10	20·740	7·675
8056	10	21·140	7·513
8057	21	22·387	7·170
8058*	41	2·029	8·561
8059	14	16·560	8·767
8060	20	19·583	8·220
8061	19	19·677	8·225
8062	10	21·244	8·940
8063	12	25·487	8·407
8064	21	25·699	8·995
8065	18	0·400	9·662
8066	30	0·843	9·975
8067	14	2·963	9·342
8068	12	7·499	9·280
8069	9	8·780	9·470
8070	17	10·573	9·890
8071	15	10·880	9·567
8072*	30	16·229	9·493
8073	13	19·780	9·050
8074	12	19·824	9·151
8075	11	22·929	9·144
8076	12	25·097	9·035
8077	22	2·555	10·690
8078	15	3·900	10·491
8079	12	7·795	10·012
8080	20	16·982	10·305
8081	20	18·429	10·406
8082	16	19·876	10·022
8083	8	22·877	10·619
8084	9	24·136	10·255
8085	8	24·145	10·165
8086	12	3·249	11·458
8087	14	3·662	11·924
8088	15	4·451	11·806
8089	14	4·464	11·255
8090	22	12·996	11·784
8091	23	13·509	11·621
8092	18	13·551	11·115
8093	14	14·545	11·737
8094	12	16·293	11·389
8095	13	21·980	11·694
8096	21	23·970	11·186
8097	12	6·362	12·013
8098	11	6·772	12·751
8099	13	9·219	12·927
8100	10	9·429	12·397
8101	12	13·070	12·381
8102	10	13·890	12·709
8103	22	20·511	12·568
8104	10	24·033	12·713
8105	21	25·257	12·700
8106	11	2·864	13·232
8107	9	5·351	13·070
8108	14	8·904	13·071
8109	18	11·560	13·176
8110	17	15·082	13·622
8111	19	15·123	13·852
8112	12	22·387	13·317
8113	11	25·090	13·837
8114	40	1·032	14·120
8115	23	1·058	14·381
8116	9	4·038	14·706
8117	10	5·766	14·965
8118	10	5·802	14·142
8119	18	8·173	14·333
8120	14	10·866	14·265
8121	15	11·133	14·464
8122	13	13·205	14·925
8123	13	16·888	14·841
8124*	40	19·170	14·487
8125*	30	19·295	14·940
8126	13	20·340	14·621
8127*	31	20·646	14·946
8128	9	22·232	14·160
8129	10	23·637	14·512
8130*	53	0·485	15·927
8131	16	3·406	15·940
8132	10	4·133	15·230
8133	12	8·097	15·645
8134	9	10·169	15·370
8135	11	11·172	15·995
8136	15	12·871	15·660
8137	14	16·430	15·146
8138	10	17·125	15·030
8139	23	18·460	15·696
8140	11	21·862	15·967
8141	28	22·840	15·944
8142*	32	23·943	15·035
8143	23	0·416	16·079
8144*	33	3·012	16·521
8145	10	3·714	16·580
8146	15	4·170	16·342
8147	20	6·071	16·313
8148*	29	7·701	16·760
8149	12	8·400	16·063
8150*	40	8·737	16·190
8151	13	14·044	16·771
8152	12	21·820	16·710
8153	10	22·424	16·212
8154	22	24·334	16·995
8155	9	24·525	16·777
8156	10	25·971	16·958
8157	15	1·695	17·375
8158*	50	3·499	17·345
8159	13	4·066	17·633
8160	9	5·244	17·996
8161	14	8·815	17·428
8162	10	9·852	17·020
8163	10	10·850	17·417
8164	13	11·922	17·930
8165	12	15·080	17·678
8166	10	15·281	17·398
8167	12	21·764	17·242
8168*	30	22·089	17·158
8169	10	25·140	17·830
8170	22	2·424	18·824
8171	12	2·668	18·158
8172	14	2·740	18·219
8173	9	5·722	18·941
8174	10	5·923	18·120
8175	10	8·011	18·905
8176	14	10·886	18·388
8177	14	11·355	18·492
8178	12	11·786	18·558
8179	12	12·546	18·636
8180	22	15·660	18·245
8181	10	18·786	18·014
8182	18	19·226	18·345
8183*	41	19·540	18·052
8184*	33	19·662	18·194
8185	10	21·170	18·784
8186	9	25·351	18·058
8187	22	1·042	19·345
8188	16	2·724	19·721
8189	11	4·899	19·474
8190	20	5·492	19·923
8191	8	7·114	19·500
8192*	34	11·424	19·140
8193	9	13·717	19·411
8194	10	14·433	19·460
8195	11	15·780	19·287
8196*	31	16·015	19·707
8197	13	16·021	19·659
8198	10	18·632	19·750
8199	13	22·050	19·977
8200	30	0·630	20·437
8201	18	5·267	20·355
8202*	30	5·704	20·855
8203	10	6·834	20·404
8204	14	8·299	20·674
8205	9	9·388	20·377
8206	11	10·904	20·304
8207	14	13·720	20·975
8208*	30	15·960	20·420
8209	10	16·849	20·045
8210	12	20·866	20·357
8211	21	21·240	20·163
8212	8	21·486	20·628
8213	16	4·252	21·562
8214	13	4·687	21·681
8215	14	5·923	21·168
8216	10	10·128	21·706
8217	13	12·330	21·472
8218	11	13·388	21·788
8219	11	13·405	21·664
8220	12	13·466	21·744
8221	10	15·885	21·740
8222	9	18·724	21·480
8223	15	24·432	21·028
8224	33	2·191	22·451
8225	16	5·627	22·677
8226	10	5·654	22·938
8227	11	10·706	22·041
8228	13	13·308	22·855
8229	11	15·540	22·974
8230	11	15·858	22·070
8231	9	19·663	22·865
8232	10	21·602	22·006
8233	15	22·065	22·745
8234	12	23·495	22·186
8235	27	25·072	22·104
8236	16	4·513	23·902
8237*	32	10·030	23·830
8238	10	10·220	23·000
8239	10	12·494	23·146
8240	12	13·342	23·564
8241	12	13·934	23·560
8242	10	15·524	23·352
8243	15	17·660	23·215
8244	8	17·788	23·098
8245*	21	18·678	23·740
8246	12	19·481	23·620
8247*	30	20·876	23·710
8248	9	24·251	23·801
8249	20	25·231	23·225
8250	21	5·546	24·472
8251	13	11·254	24·499
8252	12	11·873	24·723
8253	18	12·955	24·340
8254	21	19·212	24·864
8255	10	20·776	24·396
8256	10	21·225	24·060
8257	21	6·154	25·201
8258	19	6·311	25·780
8259	13	8·957	25·494
8260	14	9·386	25·259
8261	14	9·450	25·059
8262	16	10·887	25·794
8263	10	14·392	25·386
8264	13	15·150	25·280
8265	11	18·549	25·900
8266	12	19·444	25·504
8267	14	19·569	25·577
8268	13	19·608	25·489
8269	16	23·399	25·695

R. A. 4h 16m

Plate 2149; 1903 Feb. 28.

Provisional Constants.

A	B	C
−·00050	+·00028	−·0684
D	**E**	**F**
−·00063	−·00063	−·0090

Mag. = 15·6 − 1·36 √d

No.	d	x	y
8301	19	4·668	0·446
8302	14	6·280	0·327
8303	13	6·716	0·077
8304	14	8·266	0·604
8305	12	8·386	0·555
8306*	23	11·602	0·434
8307	10	18·564	0·334
8308	11	20·093	0·763
8309	12	22·080	0·379
8310	13	7·649	1·443
8311	10	8·052	1·804
8312	12	8·170	1·733
8313	20	10·543	1·290
8314	10	12·209	1·323
8315	10	12·470	1·872
8316	10	19·059	1·315
8317	17	19·277	1·134
8318	10	19·307	1·119
8319	9	21·299	1·528
8320	30	2·380	2·085
8321	16	6·920	2·061
8322	10	10·664	2·242
8323	11	11·482	2·724
8324	10	19·366	2·367
8325	18	22·084	2·732
8326	10	25·760	2·226
8327	22	4·735	3·619
8328	11	5·855	3·891
8329	10	7·517	3·240
8330*	29	13·010	3·237
8331	10	13·852	3·474
8332*	22	18·673	3·420
8333*	23	20·290	3·380
8334	10	20·658	3·255
8335	11	21·466	3·324
8336*	20	0·515	4·399
8337	22	5·535	4·716
8338	12	13·793	4·512
8339	10	17·540	4·020
8340	10	18·918	4·836
8341	13	3·730	5·134
8342	16	6·809	5·084
8343	12	7·000	5·580
8344	11	16·735	5·946
8345	10	16·984	5·626
8346	12	16·990	5·639
8347	9	21·395	5·296
8348	19	24·151	5·420
8349	12	8·160	6·996
8350	12	11·641	6·377
8351	10	15·055	6·594
8352	10	15·730	6·820
8353	9	19·133	6·760
8354	10	24·800	6·640
8355	10	25·189	6·335
8356	10	7·120	7·618

8357	10	7·193	7·419
8358	14	7·620	7·524
8359	12	14·311	7·729
8360	9	15·244	7·105
8361	10	15·276	7·858
8362	13	16·824	7·267
8363	10	21·328	7·196
8364	12	22·481	7·500
8365	17	2·241	8·640
8366	12	4·176	8·810
8367*	28	5·692	8·691
8368	9	6·302	8·365
8369*	31	7·359	8·727
8370	10	9·351	8·714
8371	10	17·458	8·709
8372	10	20·627	8·296
8373	10	20·918	8·500
8374	16	1·868	9·277
8375	23	2·470	9·222
8376	10	4·423	9·764
8377	10	5·081	9·496
8378*	23	9·850	9·500
8379	10	12·520	9·069
8380	10	2·931	10·233
8381	16	3·744	10·585
8382	11	5·056	10·570
8383	10	6·090	10·696
8384	10	6·584	10·899
8385	11	15·837	10·977
8386	17	16·375	10·499
8387	28	0·790	11·452
8388*	23	7·177	11·840
8389	12	7·895	11·444
8390	12	14·448	11·779
8391	10	17·496	11·812
8392	10	17·512	11·370
8393	10	18·219	11·390
8394	10	18·803	11·182
8395	12	19·846	11·016
8396	22	2·110	12·936
8397	10	9·815	12·411
8398	11	14·400	12·971
8399	10	19·304	12·974
8400	12	20·040	12·979
8401	10	20·680	12·383
8402	10	23·079	12·689
8403	10	7·290	13·654
8404	11	7·356	13·979
8405*	32	9·190	13·049
8406	14	16·890	13·522
8407	10	20·456	13·791
8408	12	0·533	14·787
8409	11	1·971	14·078
8410	14	6·109	14·384
8411	10	6·161	14·388
8412	10	6·927	14·321
8413	9	7·351	14·628
8414	10	10·290	14·222
8415*	46	0·851	15·303
8416	14	5·703	15·655
8417	14	7·900	15·251
8418	9	9·911	15·360
8419	10	21·220	15·646
8420*	50	22·517	15·569
8421	10	22·714	15·800
8422	10	4·694	16·144
8423	10	4·781	16·053
8424	12	5·424	16·437
8425	10	6·860	16·130
8426	12	7·762	16·160
8427	11	11·240	16·245
8428	10	15·324	16·848
8429	10	16·297	16·922
8430*	22	16·815	16·938

8431	12	25·658	16·914
8432	32	1·288	17·252
8433*	22	5·260	17·070
8434	10	5·700	17·470
8435	12	6·980	17·496
8436	12	8·064	17·419
8437	9	10·626	17·154
8438*	25	11·014	17·496
8439	15	11·326	17·140
8440	10	13·855	17·736
8441	11	14·014	17·635
8442	10	15·700	17·451
8443	11	20·252	17·655
8444	9	24·417	17·039
8445	10	3·161	18·466
8446	10	4·141	18·740
8447	10	5·511	18·222
8448*	21	6·402	18·059
8449	12	6·800	18·622
8450*	20	7·384	18·696
8451	10	8·136	18·709
8452	19	9·226	18·013
8453	10	9·573	18·537
8454	10	20·444	18·657
8455	10	23·624	18·574
8456	10	6·426	19·370
8457	11	6·475	19·055
8458	10	7·195	19·451
8459	10	7·660	19·995
8460	13	8·361	19·344
8461	10	17·391	19·232
8462	10	22·798	19·260
8463	11	22·944	19·935
8464	10	5·314	20·770
8465	9	7·572	20·579
8466	10	7·627	20·002
8467	9	8·105	20·960
8468*	30	17·267	20·441
8469	10	18·554	20·163
8470	10	19·235	20·071
8471	21	1·472	21·284
8472*	23	3·593	21·690
8473	10	4·548	21·188
8474	16	6·129	21·745
8475*	40	7·314	21·528
8476	10	14·950	21·483
8477	12	21·124	21·595
8478	10	22·661	21·678
8479*	30	22·892	21·785
8480	10	22·954	21·100
8481	33	2·139	22·346
8482	10	10·670	22·606
8483	10	11·020	22·479
8484	14	17·206	22·153
8485	10	21·886	22·142
8486*	23	23·835	22·920
8487	25	2·325	23·464
8488	20	3·760	23·338
8489	11	5·289	23·193
8490	11	7·806	23·168
8491	10	8·969	23·183
8492	20	11·592	23·484
8493	11	12·828	23·780
8494*	29	12·973	23·008
8495	10	17·244	23·440
8496	11	17·274	23·397
8497	10	17·908	23·988
8498	9	18·265	23·530
8499	13	23·283	23·027
8500	10	24·800	23·599
8501	10	10·794	24·247
8502*	20	11·640	24·790
8503*	25	14·936	24·492
8504	11	18·992	24·968

8505	10	19·989	24·460
8506*	30	21·115	24·129
8507*	30	7·427	25·397
8508	10	10·218	25·160
8509	10	11·614	25·297
8510	10	15·719	25·175
8511	12	16·208	25·362

R. A. 4h 25m

Plate 2150; 1903 Feb. 28.

Provisional Constants.

A	B	C
−·00089	+·00287	−·1160
D	**E**	**F**
−·00250	−·00080	+·0225

Mag. = 16·0 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
8601	15	5·022	0·818
8602	10	20·050	0·438
8603	14	20·979	0·543
8604*	24	3·774	1·214
8605	10	11·210	1·730
8606	12	12·154	1·452
8607	10	12·511	1·149
8608	10	13·000	1·580
8609*	17	19·110	1·011
8610	15	2·370	2·242
8611	16	6·430	2·303
8612*	49	6·539	2·693
8613*	33	6·565	2·732
8614	13	9·012	2·660
8615	11	9·757	2·736
8616	12	12·993	2·548
8617	14	23·479	2·936
8618	15	25·602	2·827
8619	10	6·566	3·410
8620*	14	10·652	3·017
8621	10	11·686	3·861
8622*	23	12·226	3·821
8623*	13	13·507	3·968
8624	10	14·255	3·085
8625	12	20·309	3·388
8626	15	25·337	3·281
8627*	26	9·800	4·790
8628*	12	15·146	4·580
8629*	15	15·815	4·590
8630	14	22·390	4·240
8631	14	25·416	4·801
8632	26	0·833	5·470
8633	14	5·655	5·520
8634	10	7·775	5·177
8635	17	12·469	5·528
8636	10	12·640	5·461
8637	14	14·464	5·575
8638	11	21·833	5·151
8639	10	23·580	5·221
8640	13	4·841	6·228
8641	10	4·960	6·809
8642	12	5·934	6·070
8643	18	8·684	6·562
8644	14	9·190	6·870

8645	22	10·099	6·980
8646*	27	11·305	6·557
8647	12	12·370	6·370
8648	18	13·434	6·110
8649	11	16·709	6·176
8650	14	19·240	6·230
8651	10	19·260	6·544
8652	12	21·244	6·700
8653*	24	21·864	6·046
8654*	24	22·406	6·046
8655	11	23·372	6·449
8656	14	4·095	7·874
8657	13	4·678	7·366
8658	14	10·787	7·042
8659	10	11·099	7·376
8660	14	11·101	7·090
8661	15	15·805	7·638
8662	10	16·438	7·442
8663	20	17·599	7·090
8664	12	18·785	7·798
8665	13	20·901	7·766
8666	11	22·970	7·785
8667	10	23·062	7·925
8668	13	23·449	7·257
8669	14	24·170	7·592
8670	11	25·837	7·759
8671	8	5·070	8·566
8672	13	6·943	8·388
8673	10	7·560	8·284
8674	11	7·682	8·837
8675	14	14·042	8·941
8676	12	18·489	8·724
8677	10	20·622	8·550
8678	11	3·621	9·382
8679	14	7·283	9·350
8680	11	9·181	9·500
8681*	14	19·197	9·462
8682	12	19·430	9·934
8683	11	22·822	9·094
8684	14	22·823	9·694
8685	12	4·792	10·320
8686	12	8·727	10·537
8687	20	14·810	10·008
8688	11	15·707	10·054
8689	12	17·435	10·110
8690	10	22·401	10·855
8691	13	24·689	10·608
8692	20	7·820	11·820
8693	14	15·635	11·810
8694	14	16·357	11·534
8695	14	17·069	11·408
8696	14	19·114	11·933
8697	20	22·500	11·875
8698	13	25·452	11·243
8699	14	5·095	12·471
8700	13	11·248	12·600
8701	15	13·473	12·727
8702	22	18·720	12·964
8703	25	19·052	12·469
8704*	30	19·715	12·884
8705	14	4·436	13·798
8706	13	9·680	13·581
8707*	30	12·969	13·730
8708	15	15·011	13·095
8709	13	18·102	13·982
8710	12	25·399	13·904
8711	13	7·117	14·124
8712	11	7·512	14·106
8713	11	7·995	14·993
8714	10	21·444	14·950
8715	10	22·721	14·177
8716	10	23·895	14·366
8717	11	25·126	14·709
8718	19	3·701	15·114

8719	13	14·118	15·192
8720	14	15·556	15·940
8721*	36	16·274	15·269
8722	12	17·829	15·173
8723	10	21·578	15·601
8724	10	22·255	15·630
8725	15	2·594	16·927
8726	10	4·206	16·569
8727	10	7·460	16·768
8728	11	10·904	16·774
8729	10	11·331	16·890
8730*	22	15·030	16·722
8731	10	17·600	16·370
8732	10	21·322	16·399
8733	11	4·999	17·853
8734	15	5·033	17·544
8735	10	8·008	17·710
8736	14	9·297	17·680
8737	10	10·414	17·783
8738*	28	10·650	17·450
8739	13	17·070	17·256
8740	10	19·427	17·964
8741	15	0·599	18·630
8742	15	3·039	18·008
8743	14	3·673	18·540
8744	13	5·293	18·752
8745	14	9·336	18·471
8746*	43	18·710	18·352
8747	13	22·986	18·712
8748	11	24·044	18·596
8749	14	24·515	18·770
8750	10	8·750	19·945
8751	12	10·984	19·600
8752	14	16·170	19·787
8753	10	16·630	19·869
8754*	36	16·735	19·838
8755	10	18·783	19·934
8756	10	22·242	19·136
8757	10	22·528	19·851
8758	10	23·225	19·428
8759	11	5 306	20·410
8760	19	5·696	20·341
8761	11	6·644	20·566
8762	13	10·808	20·149
8763	21	12·671	20·290
8764	10	14·761	20·339
8765	14	15·381	20·448
8766	11	19·808	20·683
8767	18	20·410	20·502
8768	16	23·565	20·134
8769	14	5·677	21·136
8770	14	8·768	21·869
8771	23	9·699	21·947
8772	11	11·992	21·385
8773	10	13·346	21·261
8774	10	16·184	21·246
8775	11	18·703	21·530
8776	10	21·590	21·849
8777	10	24·919	21·889
8778*	33	0·904	22·972
8779	19	3·242	22·783
8780	15	4·269	22·370
8781	14	5·479	22·778
8782	12	9·200	22·320
8783	10	10·504	22·131
8784	10	14·186	22·640
8785	14	16·884	22·624
8786	20	18·742	22·479
8787	11	20·979	22·130
8788	14	24·183	22·276
8789	18	0·353	23·094
8790	15	3·324	23·070
8791	10	16·490	23·868
8792	22	4·709	24·487

8793	16	5·849	24·277
8794	10	12·915	24·420
8795*	30	19·437	24·160
8796*	27	19·497	24·964
8797	27	25·770	24·424
8798	26	3·252	25·204
8799	27	4·194	25·992
8800	13	11·332	25·551
8801	13	14·614	25·910
8802	10	18·747	25·346
8803	28	25·224	25·423

R. A. 4h 34m

Plate 2151; 1903 Feb. 28.

Provisional Constants.

A	B	C
−·00049	+·00294	−·1459
D	**E**	**F**
−·00295	−·00070	−·0229

Mag. = 15·4 − 1·36 √*d*

No.	*d*	*x*	*y*
8901	11	7·874	0·053
8902	13	21·580	1·922
8903	14	0·115	2·970
8904	16	2·237	2·815
8905	13	5·778	2·554
8906*	32	14·001	2·100
8907	10	20·836	2·519
8908	11	21·050	2·581
8909	15	1·981	3·279
8910	13	3·522	3·626
8911*	34	4·837	3·376
8912*	32	6·178	3·438
8913	22	9·036	3·947
8914	12	24·771	3·758
8915	13	2·094	4·799
8916	18	3·176	4·725
8917	13	5·424	4·421
8918*	30	6·557	4·861
8919	11	7·723	4·023
8920	11	8·624	4·633
8921	18	17·682	4·752
8922	13	18·344	4·785
8923	13	23·108	4·249
8924*	13	23·152	4·896
8925	22	25·720	4·639
8926	13	25·776	4·142
8927	10	7·555	5·122
8928	11	8·285	5·416
8929	13	10·490	5·432
8930	22	12·506	5·278
8931	10	22·080	5·349
8932	14	25·301	5·568
8933	13	25·646	5·713
8934	12	3·598	6·072
8935	10	6·951	6·503
8936	13	8·068	6·615
8937	11	10·196	6·558
8938	13	10·220	6·746
8939	10	12·295	6·698
8940	10	14·264	6·041
8941	10	14·924	6·253
8942	10	21·980	6·518
8943*	25	22·880	6·349
8944	11	25·493	6·044
8945	13	0·175	7·291
8946	13	0·901	7·612
8947	10	2·570	7·746
8948	11	3·258	7·766
8949	22	4·344	7·988
8950	18	4·886	7·344
8951	13	5·565	7·778
8952	13	22·905	7·182
8953	13	23·220	7·776
8954	13	5·043	8·261
8955	13	18·299	8·540
8956*	24	2·839	9·448
8957	11	9·594	9·238
8958	13	11·849	9·889
8959	12	13·150	9·716
8960	22	22·620	9·081
8961	10	25·230	9·687
8962	14	25·349	9·361
8963	10	25·486	9·970
8964	13	1·484	10·617
8965	10	8·374	10·449
8966	13	10·281	10·864
8967	17	17·137	10·933
8968	14	25·970	10·983
8969	13	2·261	11·236
8970	22	6·765	11·460
8971	13	18·101	11·585
8972	13	3·577	12·920
8973	11	5·944	12·034
8974	13	7·699	12·645
8975	12	9·380	12·073
8976	12	2·261	13·898
8977	11	4·175	13·385
8978*	22	6·225	13·742
8979	13	9·649	13·433
8980	13	22·158	13·304
8981	11	25·204	13·229
8982	13	0·767	14·391
8983	11	2·002	14·706
8984	13	4·555	14·782
8985	13	6·789	14·624
8986	13	14·692	14·102
8987	26	3·252	15·980
8988	13	6·088	15·147
8989	13	8·720	15·737
8990	11	4·479	16·484
8991	13	5·049	16·150
8992	10	7·884	16·362
8993	10	9·470	16·289
8994	13	16·779	16·512
8995	13	2·951	17·765
8996	17	4·144	17·988
8997	11	7·699	17·130
8998	10	7·935	17·037
8999	12	9·126	17·678
9000	11	10·945	17·775
9001	13	1·476	18·782
9002	10	6·763	18·611
9003	21	14·870	18·557
9004	10	19·811	18·000
9005	13	24·186	18·562
9006	14	24·960	18·399
9007	13	5·967	19·612
9008	10	6·104	19·689
9009	13	7·338	19·369
9010	10	7·957	19·585
9011*	36	9·925	19·450
9012	20	14·982	19·897
9013	13	0·554	20·165
9014	13	9·807	20·567
9015	14	1·947	21·889
9016	16	4·324	21·822
9017	13	12·524	21·042
9018*	13	6·837	22·764
9019*	47	7·408	22·525
9020*	30	11·580	22·845
9021	10	15·801	22·227
9022	19	25·740	22·439
9023	10	7·876	23·448
9024	16	9·685	23·277
9025	25	2·844	24·407
9026	34	3·388	24·633
9027	13	10·393	24·546
9028	10	17·572	24·582
9029	13	18·294	24·855
9030	13	23·810	24·822
9031	32	2·321	25·418
9032	18	3·802	25·897
9033	13	4·918	25·826
9034	10	10·555	25·420
9035	12	11·644	25·576

R. A. 4h 43m

Plate 2053; 1902 Nov. 12.

Provisional Constants.

A	B	C
−·00074	+·00610	−·2478
D	**E**	**F**
−·00568	−·00100	−·2756

Mag. = 16·2 − 1·36 √*d*

No.	*d*	*x*	*y*
9101	15	0·426	0·915
9102	15	4·216	0·012
9103	14	17·343	0·906
9104	14	19·034	0·974
9105	19	23·508	0·174
9106*	38	2·732	1·910
9107	19	5·297	1·951
9108	13	11·871	1·467
9109	13	14·249	1·126
9110	12	16·969	1·253
9111	17	19·982	1·957
9112	15	20·700	1·886
9113	14	21·267	1·302
9114*	21	24·503	1·812
9115	14	5·041	2·225
9116	13	7·240	2·100
9117	25	12·718	2·221
9118	13	15·900	2·027
9119	19	19·224	2·466
9120	13	20·662	2·470
9121	13	21·140	2·472
9122	17	22·635	2·364
9123	14	23·105	2·160
9124	18	24·989	2·707
9125	18	1·363	3·565
9126	19	2·374	3·931
9127*	22	5·677	3·371
9128	16	18·566	3·063
9129	20	18·914	3·562
9130	14	20·076	3·267
9131*	21	21·233	3·268
9132	15	25·612	3·505
9133	15	25·942	3·119
9134	26	2·330	4·428
9135	24	3·389	4·558
9136	16	5·600	4·080
9137	14	8·774	4·368
9138	12	19·954	4·924
9139	22	1·932	5·364
9140	16	2·137	5·837
9141	16	2·281	5·501
9142	22	5·581	5·906
9143*	22	6·205	5·577
9144	14	10·978	5·488
9145	16	15·038	5·700
9146	14	18·860	5·898
9147	16	19·760	5·735
9148	13	19·902	5·467
9149	13	23·388	5·868
9150	15	3·430	6·686
9151	14	11·385	6·143
9152	13	22·842	6·446
9153	13	12·082	7·501
9154	21	14·626	7·130
9155	20	15·113	7·311
9156	14	21·546	7·476
9157	16	13·201	8·747
9158	15	17·693	8·617
9159*	18	22·121	8·580
9160	15	1·955	9·484
9161	20	2·069	9·155
9162	14	2·220	9·759
9163	15	3·389	9·655
9164	15	4·834	9·507
9165*	21	6·084	9·397
9166	13	6·500	9·157
9167	23	14·649	9·162
9168	19	2·725	10·761
9169	21	3·036	10·022
9170	13	5·094	10·632
9171	18	9·660	10·652
9172	15	11·236	10·999
9173	13	11·606	10·301
9174*	31	11·822	10·136
9175*	37	17·487	10·880
9176*	18	5·190	11·679
9177	19	21·221	11·056
9178	15	24·216	11·481
9179	14	7·492	12·816
9180	18	15·370	12·970
9181*	50	19·960	12·589
9182	16	23·229	12·014
9183	15	2·014	13·026
9184	20	4·020	13·279
9185	14	20·945	13·995
9186	14	21·427	13·582
9187	15	24·601	13·454
9188	19	5·588	14·066
9189	14	9·301	14·506
9190	19	12·662	14·699
9191	15	19·148	14·931
9192	15	21·084	14·466
9193	16	23·251	14·785
9194	21	25·456	14·652
9195	12	3·340	15·898
9196	13	6·750	15·389
9197	14	8·140	15·420
9198	18	11·124	15·421
9199*	65	12·336	15·803
9200	15	18·939	15·458
9201	14	22·231	15·550
9202	14	24·169	15·033
9203	13	5·124	16·997
9204	16	7·384	16·220
9205	14	15·679	16·273
9206	20	20·157	16·910
9207	15	20·492	16·496
9208	13	21·576	16·073
9209	16	21·622	16·176
9210	10	24·725	16·955
9211	13	4·347	17·826
9212	13	4·771	17·746
9213*	27	7·001	17·575
9214*	37	16·387	17·345
9215	15	17·200	17·950
9216	13	19·919	17·244
9217	10	20·900	17·346
9218	13	21·788	17·253
9219	25	1·120	18·380
9220	22	1·891	18·199
9221	14	8·258	18·433
9222	13	12·347	18·535
9223	15	17·649	18·459
9224	16	20·065	18·947
9225	19	20·124	18·057
9226	13	20·926	18·881
9227	13	4·540	19·324
9228	11	13·715	19·809
9229	16	14·237	19·620
9230	11	15·277	19·727
9231	14	17·586	19·470
9232	24	20·130	19·970
9233	22	20·132	19·556
9234	14	23·638	19·020
9235	14	25·367	19·676
9236	13	5·238	20·970
9237	14	7·040	20·806
9238	16	7·917	20·860
9239	16	14·107	20·643
9240	14	16·749	20·711
9241	12	18·580	20·284
9242	13	19·594	20·581
9243	13	19·886	20·016
9244	12	20·194	20·024
9245	20	20·814	20·284
9246	16	23·304	20·769
9247	10	6·266	21·444
9248	16	13·629	21·760
9249	13	18·216	21·709
9250	14	19·612	21·709
9251	14	25·782	21·862
9252	27	2·764	22·221
9253	18	5·841	22·878
9254	14	11·104	22·811
9255	13	13·085	22·342
9256*	44	20·579	22·428
9257	15	7·149	23·986
9258	14	7·576	23·059
9259	12	12·392	23·445
9260	21	13·225	23·192
9261	16	13·882	23·086
9262	11	14·387	23·714
9263	14	20·437	23·765
9264	29	0·891	24·646
9265	19	6·471	24·180
9266	12	12·145	24·779
9267	14	12·257	24·672
9268	12	14·701	24·007
9269	20	17·849	24·086
9270	13	21·059	24·569
9271	15	25·581	24·136
9272	30	2·146	25·821
9273	25	4·968	25·896
9274	23	4·976	25·571
9275	14	16·616	25·768
9276	13	18·180	25·213
9277	19	22·508	25·431
9278	19	22·587	25·917

No.	d	x	y
9279	17	22·693	25·681
9280	16	24·854	25·421
9281*	39	24·891	25·182
9282	22	25·906	25·506

R. A. 4h 52m

Plate 2152 ; 1903 Feb. 28.

Provisional Constants.

A	B	C
−·00021	+·00788	−·0425
D	**E**	**F**
−·00816	−·00054	+·0786

Mag. = 15·9 − 1·36 $\sqrt{d}$

No.	d	x	y
9301	22	0·334	0·681
9302	22	6·528	0·667
9303	11	8·670	0·811
9304*	41	12·083	0·620
9305	9	13·730	0·760
9306	12	13·834	0·830
9307	11	14·671	0·830
9308	10	15·990	0·492
9309	10	16·525	0·860
9310	11	16·682	0·048
9311	11	17·734	0·681
9312	10	19·210	0·232
9313	13	19·485	0·657
9314	13	22·920	0·211
9315	11	4·414	1·555
9316	10	6·407	1·353
9317*	19	10·050	1·794
9318*	22	10·600	1·200
9319	19	11·410	1·928
9320	10	15·740	1·582
9321	12	18·454	1·657
9322	22	23·167	1·771
9323	10	23·615	1·688
9324*	19	1·365	2·297
9325	11	4·262	2·145
9326	17	5·850	2·700
9327	10	8·460	2·562
9328	10	12·405	2·580
9329*	22	12·826	2·520
9330	10	14·539	2·262
9331	12	14·641	2·596
9332	12	15·786	2·270
9333	11	16·913	2·328
9334	10	19·064	2·861
9335	12	19·185	2·819
9336	10	23·306	2·893
9337	19	24·181	2·436
9338	10	25·262	2·470
9339	13	1·874	3·178
9340*	13	4·488	3·242
9341*	15	4·975	3·637
9342	10	6·189	3·773
9343*	41	6·340	3·170
9344	10	6·604	3·207
9345	10	6·934	3·327
9346	12	9·314	3·326
9347	10	12·089	3·876

No.	d	x	y
9348	10	12·408	3·228
9349	13	12·596	3·411
9350	13	16·340	3·595
9351	12	16·555	3·780
9352	9	16·676	3·974
9353	11	17·401	3·961
9354	13	19·587	3·848
9355	10	20·248	3·038
9356	11	23·412	3·953
9357	15	24·738	3·662
9358	19	9·270	4·585
9359	9	15·115	4·757
9360	10	15·140	4·610
9361	9	16·489	4·074
9362	11	21·561	4·423
9363	10	21·767	4·744
9364*	46	6·245	5·730
9365*	22	6·827	5·920
9366	10	10·623	5·711
9367	14	11·462	5·492
9368	12	17·344	5·402
9369	11	20·773	5·023
9370	14	20·945	5·589
9371	11	23·958	5·653
9372	12	23·960	5·222
9373	11	25·499	5·474
9374	12	5·800	6·044
9375	10	7·923	6·098
9376	10	8·949	6·221
9377	11	12·094	6·311
9378*	34	12·376	6·762
9379	10	12·960	6·638
9380	10	13·990	6·655
9381	18	16·011	6·842
9382	22	16·772	6·801
9383	10	19·260	6·897
9384	10	20·115	6·581
9385	13	24·620	6·607
9386	10	24·899	6·960
9387	13	25·608	6·080
9388	10	9·389	7·030
9389	10	13·119	7·729
9390*	23	13·455	7·480
9391	10	19·910	7·213
9392	10	20·950	7·924
9393	13	23·628	7·173
9394	12	23·770	7·271
9395	10	23·794	7·110
9396*	19	25·218	7·268
9397	13	3·040	8·296
9398	12	7·304	8·764
9399	13	10·290	8·164
9400	11	13·360	8·420
9401	10	18·175	8·644
9402	11	21·559	8·152
9403	11	25·189	8·550
9404	12	8·410	9·699
9405	10	9·030	9·577
9406	13	12·535	9·709
9407	11	12·937	9·912
9408	10	13·067	9·108
9409	11	15·350	9·489
9410	12	15·370	9·026
9411	13	18·980	9·930
9412	22	24·162	9·853
9413	13	6·564	10·220
9414	9	6·700	10·956
9415	13	9·771	10·737
9416	10	14·277	10·720
9417	22	15·122	10·094
9418	10	23·349	10·620
9419	11	23·641	10·014
9420*	42	15·454	11·294
9421*	42	15·555	11·815

No.	d	x	y
9422	11	17·555	11·944
9423	9	18·462	11·855
9424	11	19·699	11·439
9425	10	22·778	11·474
9426	14	23·960	11·551
9427	13	0·319	12·526
9428	12	5·890	12·334
9429	20	6·162	12·909
9430*	22	9·578	12·220
9431	13	16·643	12·868
9432	13	21·855	12·471
9433	10	25·782	12·744
9434	10	1·722	13·936
9435	13	4·824	13·602
9436	13	5·692	13·241
9437	10	6·865	13·413
9438	11	8·873	13·599
9439	12	20·015	13·882
9440	10	20·233	13·481
9441	10	20·392	13·644
9442*	18	21·868	13·165
9443	13	22·520	13·394
9444	11	3·260	14·428
9445	11	5·294	14·650
9446	10	8·148	14·613
9447	10	9·839	14·409
9448	10	12·272	14·360
9449	18	12·806	14·084
9450	10	13·705	14·650
9451*	32	16·204	14·422
9452	10	17·658	14·341
9453	9	19·147	14·967
9454	11	22·067	14·383
9455*	31	22·880	14·340
9456*	18	23·296	14·858
9457	11	24·206	14·780
9458	10	0·400	15·299
9459	17	2·607	15·115
9460	10	10·262	15·630
9461	13	12·344	15·419
9462	10	15·206	15·662
9463	11	21·784	15·463
9464	10	22·668	15·893
9465	13	23·231	15·684
9466	10	23·255	15·836
9467	12	25·420	15·337
9468	10	4·747	16·149
9469	13	5·775	16·719
9470	9	9·887	16·285
9471	12	11·399	16·072
9472	16	13·352	16·440
9473	21	15·889	16·157
9474	11	16·609	16·020
9475	10	19·070	16·343
9476	12	24·634	16·727
9477	11	6·334	17·460
9478	19	6·549	17·438
9479	10	7·139	17·099
9480	10	23·608	17·737
9481	11	23·615	17·026
9482*	22	5·472	18·504
9483	9	11·874	18·800
9484	10	14·846	18·945
9485*	40	16·087	18·149
9486	9	19·370	18·640
9487	10	19·414	18·321
9488	9	21·485	18·373
9489*	26	21·801	18·772
9490	10	8·572	19·603
9491	13	9·244	19·844
9492	10	9·717	19·668
9493	10	11·600	19·201
9494	10	13·524	19·285
9495	10	13·729	19·582

No.	d	x	y
9496	13	14·379	19·792
9497	12	16·880	19·089
9498	13	20·658	19·659
9499	10	22·310	19·436
9500	17	25·411	19·004
9501	10	15·994	20·262
9502	12	19·537	20·685
9503	13	21·448	20·842
9504*	40	21·587	20·500
9505	10	24·296	20·407
9506	10	6·811	21·185
9507	14	8·450	21·163
9508	10	12·476	21·081
9509	10	14·211	21·004
9510	10	16·240	21·847
9511	17	16·737	21·090
9512	11	20·679	21·601
9513	11	24·624	21·433
9514	10	24·776	21·611
9515	10	25·199	21·112
9516	15	5·450	22·611
9517	14	5·576	22·717
9518	10	10·512	22·064
9519	11	13·746	22·988
9520	13	13·983	22·189
9521	21	17·410	22·798
9522	9	20·800	22·276
9523	10	21·795	22·081
9524	18	23·617	22·698
9525	19	3·960	23·958
9526	12	7·396	23·166
9527*	14	9·774	23·143
9528	11	14·689	23·838
9529	13	20·104	23·874
9530	10	22·031	23·556
9531*	47	5·549	24·967
9532	13	6·070	24·820
9533	15	6·275	24·489
9534	16	6·407	24·762
9535	13	7·034	24·247
9536	10	16·291	24·810
9537	12	21·667	24·319
9538	10	23·950	24·138
9539*	40	2·274	25·653
9540	22	3·298	25·960
9541*	16	8·466	25·534
9542	10	13·927	25·862
9543	13	19·691	25·525
9544	10	23·089	25·880

R. A. 5h 1m

Plate 2296 ; 1903 Oct. 9.

Provisional Constants.

A	B	C
−·00096	+·00458	−·1574
D	**E**	**F**
−·00420	−·00080	+·0326

Mag. = 16·3 − 1·36 $\sqrt{d}$

No.	d	x	y
9601	15	0·815	0·915
9602	13	5·306	0·634
9603*	32	11·886	0·183

No.	d	x	y
9604	14	12·134	0·368
9605	13	13·407	0·454
9606	11	13·566	0·986
9607	12	15·781	0·651
9608	13	16·645	0·285
9609	22	17·408	0·140
9610	13	17·721	0·824
9611	11	18·492	0·494
9612	12	19·616	0·217
9613	13	19·758	0·438
9614	13	20·369	0·364
9615	14	21·687	0·130
9616	19	23·908	0·230
9617	13	24·628	0·732
9618	22	25·134	0·149
9619	22	25·763	0·844
9620	19	2·900	1·063
9621	16	3·926	1·597
9622	17	4·632	1·607
9623	18	4·771	1·913
9624	22	7·254	1·555
9625	13	7·872	1·165
9626	13	8·662	1·024
9627	22	8·800	1·970
9628	12	10·256	1·862
9629	13	11·814	1·092
9630	13	12·537	1·532
9631	12	12·752	1·154
9632*	20	14·128	1·476
9633	13	14·226	1·719
9634	12	15·124	1·349
9635	13	15·565	1·247
9636	11	15·946	1·439
9637	13	16·674	1·097
9638	14	18·713	1·714
9639	12	20·037	1·664
9640	11	21·684	1·877
9641	11	21·736	1·890
9642	14	21·984	1·064
9643	11	22·594	1·913
9644	16	23·088	1·768
9645	15	23·189	1·858
9646	13	24·194	1·893
9647	22	0·706	2·589
9648	17	1·792	2·611
9649	15	4·200	2·228
9650	13	5·181	2·911
9651	23	5·584	2·869
9652	22	5·852	2·443
9653	13	7·354	2·524
9654	20	7·506	2·018
9655*	21	9·594	2·885
9656	13	9·600	2·848
9657	12	9·697	2·852
9658	13	12·335	2·323
9659	22	13·474	2·638
9660	13	13·728	2·642
9661	21	13·774	2·595
9662	11	14·692	2·099
9663	13	15·568	2·764
9664	12	15·730	2·894
9665	22	15·990	2·382
9666	11	16·063	2·875
9667	22	17·126	2·805
9668	13	18·114	2·770
9669	12	18·771	2·68[illegible]
9670*	13	19·262	2·958
9671*	22	19·694	2·886
9672	11	21·592	2·17[illegible]
9673	15	21·731	2·118
9674	13	22·217	2·345
9675	12	22·232	2·434
9676*	22	22·309	2·101
9677	13	23·245	2·403

9678	14	24·542	2·664	9752	12	15·061	5·758	9826	15	13·409	8·483	9900	13	19·324	11·185	9974	13	25·802	15·554
9679	12	24·929	2·724	9753	13	15·528	5·484	9827	18	13·429	8·293	9901	14	21·545	11·023	9975	19	25·998	15·835
9680	20	25·959	2·585	9754	13	16·555	5·201	9828	15	13·508	8·827	9902	13	22·450	11·292	9976	21	26·000	15·849
9681*	32	25·968	2·148	9755	13	16·985	5·454	9829	22	13·754	8·384	9903	12	23·085	11·509	9977	19	1·397	16·864
9682	22	1·286	3·805	9756	14	17·025	5·595	9830	14	14·742	8·206	9904	12	23·980	11·089	9978	12	2·796	16·611
9683	14	2·555	3·943	9757	13	18·668	5·395	9831	11	15·706	8·728	9905	13	24·324	11·762	9979	12	3·890	16·975
9684*	23	5·573	3·898	9758	12	19·101	5·408	9832	12	15·802	8·726	9906	10	25·124	11·476	9980	11	6·064	16·050
9685	13	8·464	3·090	9759	12	21·039	5·910	9833	13	16·447	8·464	9907	11	25·585	11·351	9981	13	7·661	16·759
9686	13	8·565	3·655	9760	13	21·190	5·307	9834	13	16·676	8·451	9908	13	0·326	12·964	9982	12	8·262	16·245
9687	12	9·210	3·781	9761	13	21·308	5·633	9835	13	17·332	8·950	9909	13	2·482	12·869	9983	13	10·644	16·994
9688	21	11·407	3·928	9762	13	21·442	5·276	9836	13	19·393	8·881	9910	13	4·805	12·970	9984	11	10·645	16·950
9689	11	11·600	3·589	9763	11	21·737	5·212	9837	13	23·563	8·466	9911	12	6·492	12·206	9985	13	15·252	16·299
9690	15	11·961	3·445	9764	18	1·217	6·751	9838	17	25·712	8·694	9912	13	7·177	12·399	9986	12	16·098	16·137
9691	26	12·924	3·457	9765	18	2·196	6·208	9839	11	5·651	9·100	9913	13	7·962	12·397	9987	13	16·295	16·047
9692	13	13·031	3·964	9766	13	3·154	6·874	9840	13	8·713	9·585	9914	13	8·785	12·219	9988	12	19·533	16·189
9693	12	14·039	3·184	9767	11	5·814	6·038	9841	13	10·483	9·334	9915	14	9·113	12·430	9989	22	19·564	16·637
9694	10	14·162	3·476	9768	13	10·037	6·652	9842	22	11·433	9·070	9916	13	10·620	12·358	9990	13	20·168	16·311
9695	11	14·216	3·876	9769	13	10·957	6·976	9843	19	12·414	9·475	9917	22	12·580	12·735	9991	13	20·414	16·774
9696	12	14·238	3·468	9770*	32	13·377	6·858	9844	18	13·466	9·793	9918*	28	12·982	12·795	9992	13	21·424	16·676
9697	15	14·396	3·351	9771	12	16·070	6·586	9845	13	16·598	9·927	9919	12	17·850	12·680	9993	13	21·447	16·388
9698	13	14·663	3·125	9772	13	16·077	6·252	9846	13	17·276	9·673	9920	13	18·445	12·424	9994	13	21·462	16·192
9699	10	15·968	3·568	9773	13	16·300	6·082	9847	14	18·117	9·944	9921	12	20·797	12·701	9995	12	22·236	16·589
9700	13	16·263	3·743	9774	13	17·541	6·285	9848	13	18·894	9·522	9922	13	21·525	12·831	9996	11	23·081	16·876
9701	19	17·036	3·267	9775	14	18·177	6·600	9849	13	20·955	9·905	9923	22	23·076	12·337	9997	14	23·105	16·874
9702	23	17·223	3·209	9776*	24	18·197	6·071	9850	13	21·008	9·033	9924	13	24·477	12·633	9998	13	24·899	16·523
9703	12	18·031	3·899	9777*	42	20·195	6·372	9851*	42	21·051	9·018	9925	11	24·954	12·071	9999	14	25·289	16·625
9704	13	18·909	3·160	9778	13	21·415	6·409	9852	13	21·910	9·294	9926	13	25·071	12·934	10000	11	0·385	17·894
9705	13	20·042	3·325	9779	13	21·433	6·849	9853	13	22·215	9·649	9927	13	2·805	13·277	10001	12	0·387	17·186
9706	19	20·602	3·074	9780	12	22·360	6·268	9854	11	22·633	9·554	9928	12	2·957	13·488	10002*	24	4·443	17·519
9707	13	20·892	3·857	9781	13	22·851	6·984	9855*	42	23·312	9·144	9929	25	3·187	13·176	10003	14	4·945	17·855
9708	13	21·480	3·614	9782	22	23·021	6·252	9856	13	23·588	9·834	9930	13	4·109	13·911	10004	12	6·423	17·739
9709	13	21·696	3·661	9783	13	23·664	6·734	9857	22	23·894	9·490	9931	12	6·930	13·393	10005	13	6·500	17·840
9710	11	22·080	3·900	9784	13	24·736	6·176	9858	12	24·937	9·269	9932	13	9·104	13·078	10006	13	10·241	17·079
9711	13	22·438	3·954	9785	22	25·436	6·294	9859	13	24·940	9·557	9933	12	9·427	13·919	10007	12	11·138	17·155
9712*	33	22·438	3·089	9786	13	25·735	6·330	9860	10	25·022	9·948	9934	20	11·978	13·966	10008	20	11·174	17·125
9713	13	23·345	3·049	9787	15	0·235	7·333	9861	12	0·010	10·785	9935*	39	15·169	13·392	10009	13	11·266	17·168
9714	13	23·443	3·464	9788	15	0·377	7·431	9862	13	0·295	10·174	9936	18	15·501	13·801	10010	13	21·515	17·505
9715	11	23·900	3·127	9789	17	0·398	7·269	9863	13	0·416	10·714	9937	16	17·005	13·718	10011	15	21·642	17·932
9716*	30	24·351	3·454	9790	13	1·498	7·099	9864	21	0·814	10·005	9938	13	17·297	13·768	10012	12	22·368	17·612
9717	17	24·765	3·158	9791*	22	1·825	7·402	9865	12	3·674	10·665	9939	13	21·216	13·085	10013	13	22·753	17·279
9718*	32	5·521	4·191	9792*	35	3·345	7·013	9866	19	5·381	10·525	9940	13	21·326	13·194	10014	13	22·904	17·125
9719	13	6·696	4·079	9793	14	4·094	7·757	9867	12	5·619	10·958	9941	12	21·343	13·010	10015	23	23·208	17·280
9720	13	7·308	4·384	9794	13	4·654	7·124	9868	13	6·373	10·136	9942	12	22·099	13·226	10016	13	23·694	17·948
9721	13	9·619	4·020	9795	14	7·717	7·228	9869*	22	6·424	10·119	9943	13	22·903	13·050	10017	12	24·390	17·958
9722	13	11·106	4·281	9796*	24	8·494	7·380	9870	13	7·651	10·667	9944	11	23·175	13·204	10018	32	24·776	17·409
9723	10	13·329	4·928	9797	13	9·337	7·689	9871	10	8·660	10·776	9945	13	24·284	13·863	10019	13	24·894	17·951
9724	13	13·370	4·325	9798	13	10·153	7·699	9872	13	8·902	10·306	9946	13	24·776	13·463	10020	23	3·106	18·685
9725	12	13·701	4·284	9799	14	10·401	7·317	9873	13	11·364	10·669	9947	13	24·853	13·222	10021	12	5·489	18·245
9726	13	13·901	4·764	9800	11	10·480	7·285	9874	15	13·304	10·860	9948	12	0·457	14·482	10022	14	9·345	18·633
9727	13	13·987	4·196	9801	13	10·568	7·727	9875	10	17·491	10·118	9949	18	0·935	14·929	10023	13	9·994	18·300
9728	13	15·359	4·023	9802	13	13·939	7·198	9876	13	17·559	10·125	9950	13	3·291	14·465	10024	12	13·650	18·206
9729	13	15·392	4·421	9803	14	15·475	7·425	9877	13	17·941	10·117	9951	23	8·761	14·449	10025	10	14·183	18·462
9730*	42	15·625	4·771	9804	13	15·975	7·605	9878	13	18·636	10·349	9952	20	9·707	14·354	10026	13	16·061	18·698
9731	21	17·331	4·699	9805	13	16·732	7·911	9879	12	19·656	10·942	9953	13	11·058	14·714	10027	21	16·514	18·919
9732	13	17·435	4·673	9806	16	16·865	7·489	9880	11	20·355	10·220	9954	13	12·602	14·383	10028	12	17·097	18·405
9733	12	17·930	4·248	9807	13	18·590	7·834	9881	13	21·244	10·030	9955	22	13·464	14·601	10029	12	19·392	18·524
9734	14	18·066	4·311	9808	15	18·620	7·540	9882	11	23·926	10·593	9956	13	13·688	14·257	10030	13	20·273	18·750
9735	12	18·847	4·625	9809*	22	19·068	7·799	9883	18	24·280	10·447	9957	12	14·338	14·544	10031	13	20·769	18·571
9736	13	19·088	4·931	9810	13	19·170	7·282	9884	12	24·821	10·557	9958	13	16·166	14·288	10032	13	22·464	18·690
9737	13	21·850	4·355	9811	13	20·238	7·708	9885	18	0·640	11·705	9959	13	17·874	14·296	10033	12	22·595	18·814
9738	13	22·797	4·396	9812	13	24·663	7·817	9886	12	2·157	11·455	9960	13	22·307	14·294	10034	13	22·697	18·677
9739	15	0·532	5·377	9813	13	24·845	7·342	9887	11	4·435	11·819	9961	12	23·289	14·652	10035	13	23·174	18·574
9740	14	0·536	5·808	9814	10	24·950	7·458	9888	12	4·791	11·679	9962	11	23·644	14·355	10036	12	1·582	19·341
9741	13	2·071	5·606	9815	13	25·800	7·994	9889	12	7·554	11·634	9963	12	25·055	14·064	10037	22	2·213	19·135
9742	14	2·989	5·372	9816	14	25·876	7·777	9890	12	7·951	11·576	9964	21	0·032	15·024	10038	10	2·664	19·586
9743	18	3·504	5·503	9817	16	1·815	8·686	9891	13	8·280	11·166	9965	13	2·164	15·466	10039	11	5·556	19·766
9744	14	4·616	5·789	9818	22	3·746	8·004	9892	13	9·468	11·879	9966	13	6·605	15·801	10040	11	6·436	19·287
9745*	51	4·720	5·276	9819	13	8·474	8·304	9893	22	11·500	11·571	9967	12	9·075	15·949	10041	12	6·493	19·481
9746	14	5·694	5·937	9820	20	9·752	8·530	9894	14	14·875	11·840	9968	13	13·791	15·434	10042	13	12·080	19·339
9747	12	8·500	5·940	9821	13	10·085	8·981	9895	10	15·095	11·927	9969	12	19·794	15·695	10043	12	12·111	19·066
9748	13	9·250	5·633	9822	13	10·990	8·073	9896	13	15·257	11·597	9970	22	22·600	15·277	10044	13	13·080	19·096
9749	13	12·307	5·233	9823	13	11·336	8·130	6897	26	15·328	11·871	9971	10	23·647	15·672	10045	21	15·774	19·157
9750	15	14·111	5·483	9824*	22	12·966	8·819	9898	22	16·018	11·516	9972	12	23·770	15·338	10046	15	16·708	19·270
9751	13	14·186	5·874	9825*	23	13·081	8·219	9899	17	18·410	11·470	9973	13	23·780	15·676	10047	12	17·577	19·649

R. A. 5h 10m

Plate 2204 ; 1903 March 24.

Provisional Constants.

A	B	C
−·00039	+·01006	+·6455
D	E	F
−·01024	−·00049	+·0088

Mag. = 16·7 − 1·36 $\sqrt{d}$

No.	d	x	y
10048	11	17·615	19·136
10049*	29	17·749	19·726
10050	13	19·307	19·482
10051	11	19·455	19·923
10052	13	20·361	19·333
10053	12	20·643	19·332
10054	19	20·758	19·331
10055	17	20·822	19·466
10056*	25	21·292	19·014
10057	13	22·125	19·330
10058	12	22·811	19·509
10059	12	22·898	19·836
10060*	22	23·737	19·224
10061	13	24·652	19·994
10062	10	25·090	19·906
10063	13	25·616	19·655
10064	13	1·124	20·557
10065	13	4·307	20·366
10066	13	4·953	20·531
10067	11	5·062	20·432
10068	13	7·155	20·685
10069	12	12·652	20·728
10070	11	16·574	20·410
10071	15	18·254	20·595
10072	13	18·648	20·729
10073	18	19·815	20·859
10074	13	20·185	20·387
10075	12	21·063	20·515
10076	13	21·244	20·778
10077	13	21·513	20·484
10078	13	22·131	20·859
10079	12	22·186	20·417
10080	23	24·265	20·277
10081	13	24·765	20·414
10082	13	24·836	20·354
10083	17	1·472	21·574
10084	22	1·623	21·751
10085	13	2·035	21·246
10086	22	3·879	21·863
10087	13	4·215	21·347
10088	13	4·779	21·777
10089	19	5·600	21·075
10090	20	5·805	21·575
10091	15	6·377	21·105
10092	12	6·433	21·398
10093	11	9·302	21·711
10094	11	9·480	21·701
10095	14	10·505	21·896
10096	13	10·939	21·671
10097	13	11·870	21·232
10098	13	15·440	21·610
10099	13	15·950	21·583
10100	12	16·214	21·911
10101	13	16·286	21·369
10102	13	17·048	21·519
10103	13	17·400	21·710
10104	12	17·401	21·072
10105	13	17·538	21·208
10106	15	18·510	21·715
10107	12	20·694	21·368
10108	13	22·433	21·404
10109	15	22·575	21·504
10110	13	23·627	21·330
10111	13	24·767	21·350
10112	22	24·784	21·309
10113	14	25·195	21·365
10114	22	25·603	21·276
10115	23	0·476	22·857
10116	12	5·953	22·389
10117	12	6·250	22·657
10118	12	12·208	22·430
10119	12	12·227	22·450
10120	12	12·262	22·384
10121	13	14·360	22·150

No.	d	x	y
10122	19	17·385	22·616
10123	13	18·990	22·828
10124*	42	19·596	22·596
10125	13	20·700	22·649
10126	14	23·743	22·507
10127	21	6·094	23·983
10128	12	8·098	23·631
10129	13	11·337	23·242
10130	13	12·794	23·477
10131	13	13·077	23·858
10132	12	13·679	23·627
10133	13	14·431	23·649
10134	12	14·894	23·611
10135	21	15·895	23·773
10136	12	16·254	23·815
10137	13	20·483	23·424
10138	22	21·395	23·345
10139*	42	21·911	23·911
10140*	22	22·071	23·320
10141	22	24·329	23·664
10142	12	24·834	23·681
10143	30	25·492	23·590
10144	19	0·837	24·294
10145	22	4·835	24·843
10146	13	4·838	24·625
10147	13	5·133	24·033
10148	12	8·607	24·326
10149	13	9·106	24·915
10150	12	9·120	24·203
10151	13	10·684	24·839
10152	13	15·099	24·060
10153	12	15·510	24·497
10154	13	16·667	24·259
10155	12	17·541	24·562
10156	12	21·371	24·671
10157	13	21·535	24·877
10158	19	22·051	24·526
10159	12	22·507	24·160
10160	12	22·709	24·722
10161	22	25·436	24·759
10162	15	25·821	24·387
10163	15	3·085	25·102
10164	13	4·182	25·603
10165	19	4·915	25·285
10166	12	5·589	25·676
10167*	39	5·928	25·668
10168	19	5·954	25·042
10169	14	8·566	25·465
10170	13	10·733	25·400
10171	12	10·953	25·977
10172	13	13·340	25·701
10173	12	15·640	25·192
10174	13	15·647	25·334
10175	13	18·981	25·573
10176	14	19·778	25·561
10177	22	20·749	25·099
10178	13	21·276	25·561
10179	13	22·009	25·189
10180	15	24·293	25·114
10181	17	24·674	25·062
10182	23	25·047	25·667

No.	d	x	y
10201	23	1·328	0·308
10202	33	2·257	0·034
10203	27	2·553	0·194
10204	29	3·198	0·873
10205	22	6·635	0·302
10206*	24	7·570	0·351
10207	15	7·634	0·100
10208*	25	8·900	0·899
10209	12	12·313	0·086
10210	10	13·219	0·031
10211	16	13·479	0·347
10212	10	14·326	0·046
10213	14	14·993	0·384
10214	14	15·600	0·614
10215	10	16·394	0·158
10216	9	16·555	0·904
10217	9	16·676	0·854
10218	13	19·050	0·784
10219	20	20·517	0·780
10220	10	20·914	0·855
10221	28	22·405	0·916
10222	20	25·374	0·738
10223	41	0·547	1·866
10224	24	0·651	1·953
10225	12	8·481	1·602
10226	18	8·796	1·392
10227	14	9·081	1·073
10228	23	9·190	1·490
10229	10	11·094	1·875
10230	10	11·780	1·483
10231*	30	12·988	1·814
10232	11	13·114	1·302
10233	13	13·815	1·375
10234	11	14·411	1·060
10235	10	15·031	1·441
10236	10	17·099	1·351
10237	10	17·474	1·455
10238	10	17·610	1·303
10239	11	17·644	1·316
10240	12	19·410	1·135
10241	9	19·426	1·058
10242	10	20·393	1·138
10243	9	21·592	1·185
10244	10	24·048	1·592
10245	21	25·856	1·405
10246	18	25·979	1·302
10247	21	0·975	2·973
10248	14	3·437	2·608
10249*	50	3·439	2·173
10250	27	3·566	2·645
10251*	27	3·595	2·807
10252	20	5·009	2·794
10253	13	5·946	2·205
10254	12	6·782	2·938
10255	12	7·745	2·199
10256	12	7·938	2·827

No.	d	x	y
10257	10	8·544	2·786
10258	9	11·255	2·964
10259	12	11·855	2·914
10260	10	14·265	2·375
10261	11	14·580	2·386
10262	9	14·600	2·571
10263	9	15·351	2·212
10264	14	15·573	2·635
10265	10	17·339	2·928
10266	10	17·505	2·920
10267*	29	19·144	2·628
10268	9	19·734	2·194
10269	9	21·376	2·141
10270	10	23·260	2·362
10271	14	23·834	2·124
10272	12	24·112	2·960
10273	13	25·066	2·722
10274	9	25·407	2·533
10275	20	25·444	2·270
10276	14	25·459	2·832
10277	23	0·836	3·140
10278	18	0·946	3·554
10279*	48	1·855	3·518
10280	12	2·260	3·213
10281	12	9·749	3·692
10282	10	10·370	3·769
10283	12	10·980	3·671
10284*	22	11·010	3·606
10285	9	11·247	3·884
10286	14	11·648	3·018
10287	12	12·510	3·017
10288	14	13·318	3·411
10289	14	13·594	3·273
10290	9	13·924	3·029
10291	10	14·802	3·764
10292	10	15·918	3·569
10293	9	18·225	3·977
10294	10	18·813	3·292
10295	10	19·177	3·110
10296*	31	20·249	3·942
10297	15	21·320	3·671
10298*	30	21·516	3·491
10299	16	22·345	3·234
10300	11	22·916	3·468
10301	9	23·854	3·704
10302	12	24·821	3·108
10303	16	25·291	3·016
10304	16	25·474	3·099
10305*	43	3·874	4·794
10306*	48	8·108	4·317
10307	9	9·069	4·625
10308	9	9·410	4·961
10309	9	10·898	4·790
10310	20	11·270	4·599
10311	10	14·494	4·460
10312*	40	14·669	4·066
10313	14	14·743	4·285
10314	15	15·084	4·628
10315	10	15·944	4·290
10316	10	16·950	4·338
10317	17	17·571	4·244
10318	9	18·126	4·744
10319*	38	19·065	4·064
10320	9	19·364	4·708
10321	11	19·445	4·673
10322	10	20·691	4·923
10323	11	20·960	4·350
10324	9	21·409	4·666
10325	14	21·451	4·604
10326	10	21·472	4·554
10327	11	21·577	4·464
10328	10	22·037	4·766
10329	10	22·049	4·199
10330	21	22·824	4·122

No.	d	x	y
10331	12	22·996	4·386
10332	10	23·620	4·724
10333	10	24·030	4·176
10334	13	25·623	4·140
10335	16	4·005	5·060
10336	11	5·804	5·521
10337	20	7·593	5·077
10338	9	10·180	5·027
10339	14	10·416	5·07
10340	16	11·194	5·63
10341	10	12·171	5·02
10342*	48	12·384	5·47
10343	10	13·634	5·65
10344	10	14·092	5·17
10345	15	15·450	5·63
10346	14	15·460	5·35
10347	15	15·917	5·74
10348	12	16·190	5·77
10349	10	16·379	5·45
10350	18	18·040	5·69
10351	10	20·700	5·19
10352	19	21·020	5·16
10353	9	21·634	5·66
10354	9	22·280	5·38
10355*	32	23·024	5·68
10356	12	23·653	5·38
10357	31	0·598	6·35
10358	12	2·310	6·23
10359	21	3·013	6·32
10360	13	3·310	6·36
10361	14	3·684	6·65
10362	11	8·268	6·35
10363	22	9·164	6·41
10364	12	9·689	6·91
10365	14	9·739	6·94
10366	12	10·005	6·60
10367	10	10·107	6·93
10368*	34	10·440	6·28
10369	10	13·141	6·55
10370	16	13·960	6·78
10371	10	14·811	6·18
10372	10	16·509	6·29
10373	10	17·244	6·84
10374	11	19·380	6·67
10375	21	19·719	6·05
10376	10	20·376	6·06
10377	12	21·983	6·08
10378	10	22·171	6·60
10379	12	23·625	6·87
10380	13	25·190	6·18
10381	15	2·280	7·87
10382	9	3·768	7·04
10383	16	3·965	7·87
10384	23	4·243	7·00
10385	12	5·898	7·62
10386	12	7·039	7·35
10387*	42	9·146	7·58
10388	20	11·194	7·13
10389	12	11·209	7·31
10390	23	13·121	7·68
10391	27	14·087	7·03
10392	10	14·107	7·71
10393	12	14·144	7·51
10394	10	14·431	7·14
10395	13	15·985	7·52
10396	29	16·305	7·96
10397	21	16·536	7·46
10398	12	17·170	7·17
10399	10	18·906	7·33
10400	17	19·676	7·17
10401	10	21·876	7·10
10402	10	21·996	7·70
10403	10	22·589	7·36
10404	24	22·833	7·86

10405	13	22·840	7·088	10479	15	4·490	11·455	10553	10	9·560	14·000	10627	10	8·467	17·853	10701	13	15·510	19·486
10406	12	22·840	7·220	10480	11	5·615	11·360	10554	20	10·455	14·867	10628	20	9·440	17·416	10702	11	16·937	19·846
10407	16	24·388	7·286	10481*	32	6·013	11·122	10555	14	12·192	14·029	10629	11	10·629	17·224	10703	11	17·254	19·003
10408	10	24·495	7·296	10482	10	6·041	11·204	10556	15	13·551	14·475	10630	22	14·158	17·404	10704	10	18·847	19·126
10409	14	24·675	7·694	10483	10	8·580	11·926	10557	22	14·029	14·444	10631*	40	15·225	17·996	10705	12	19·816	19·786
10410	10	25·070	7·355	10484	14	11·726	11·926	10558*	32	15·868	14·766	10632	10	15·279	17·164	10706	11	20·910	19·671
10411	10	25·420	7·242	10485	13	14·025	11·860	10559	14	18·955	14·022	10633	10	16·297	17·837	10707	10	21·915	19·253
10412	17	3·350	8·722	10486*	23	17·025	11·330	10560	19	19·055	14·710	10634	16	16·538	17·060	10708	11	22·395	19·971
10413	12	3·420	8·017	10487	10	18·854	11·527	10561	12	19·293	14·720	10635	11	17·134	17·762	10709	10	22·799	19·621
10414	11	4·495	8·492	10488	22	19·216	11·479	10562	15	19·758	14·393	10636	11	17·457	17·850	10710*	29	24·255	19·368
10415	12	4·555	8·530	10489	14	20·018	11·976	10563	13	20·100	14·030	10637	11	17·613	17·726	10711	24	24·500	19·583
10416*	14	4·845	8·368	10490	16	21·013	11·759	10564	10	21·194	14·848	10638*	22	18·938	17·127	10712	10	25·030	19·150
10417	10	5·855	8·767	10491*	32	21·280	11·610	10565	10	21·279	14·021	10639	12	20·573	17·695	10713	12	25·701	19·147
10418	20	6·792	8·147	10492	13	21·644	11·285	10566	14	21·704	14·437	10640	10	20·840	17·736	10714	32	2·206	20·343
10419	9	7·117	8·083	10493	15	21·913	11·609	10567	10	23·691	14·402	10641	10	21·911	17·227	10715	13	2·583	20·049
10420*	32	7·526	8·746	10494	10	22·986	11·398	10568	11	24·038	14·828	10642	20	22·364	17·598	10716	13	4·212	20·802
10421	12	7·762	8·800	10495	20	23·016	11·010	10569	11	24·233	14·406	10643*	25	23·623	17·324	10717	22	5·492	20·001
10422	12	10·002	8·420	10496	11	23·201	11·804	10570	22	24·481	14·251	10644	17	24·035	17·109	10718	10	5·920	20·734
10423	19	10·169	8·627	10497	18	24·430	11·537	10571	9	24·780	14·987	10645	9	24·180	17·686	10719	13	6·548	20·547
10424	18	13·331	8·911	10498*	30	25·160	11·999	10572	10	25·115	14·503	10646	17	24·579	17·375	10720	18	7·056	20·877
10425	19	13·560	8·024	10499	10	25·164	11·775	10573	10	25·496	14·186	10647	10	25·153	17·173	10721	14	8·103	20·986
10426	11	16·180	8·007	10500	37	0·809	12·431	10574	40	0·410	15·386	10648	12	25·282	17·199	10722	15	8·379	20·936
10427	9	18·869	8·350	10501	12	2·222	12·691	10575	19	3·822	15·855	10649	9	25·516	17·482	10723	9	8·721	20·024
10428	10	20·360	8·539	10502	12	2·816	12·980	10576	19	3·823	15·870	10650	10	25·623	17·802	10724	19	9·684	20·605
10429	12	20·383	8·035	10503	14	5·470	12·199	10577	9	4·636	15·141	10651	10	25·824	17·191	10725*	35	10·194	20·350
10430	16	21·794	8·839	10504	9	5·686	12·321	10578	14	4·851	15·184	10652	15	0·362	18·802	10726	11	10·460	20·837
10431	20	23·120	8·531	10505	10	6·746	12·946	10579	10	5·299	15·060	10653	18	0·596	18·782	10727	10	10·975	20·710
10432	10	24·173	8·613	10506	19	9·186	12·484	10580	11	6·986	15·318	10654	15	1·571	18·027	10728	22	11·080	20·086
10433*	60	0·965	9·235	10507*	40	9·992	12·122	10581	11	10·846	15·053	10655	15	2·770	18·001	10729	10	11·495	20·413
10434	16	1·259	9·918	10508	12	10·260	12·039	10582	17	13·416	15·924	10656	16	4·740	18·336	10730	14	12·158	20·141
10435	29	1·553	9·566	10509	12	10·519	12·166	10583	15	13·857	15·077	10657*	28	7·395	18·380	10731	10	12·530	20·480
10436	12	2·600	9·606	10510	14	11·852	12·187	10584	12	15·590	15·627	10658	10	7·520	18·544	10732	11	16·574	20·212
10437	9	4·741	9·691	10511	31	13·080	12·780	10585	11	17·747	15·624	10659	10	8·136	18·809	10733	9	17·230	20·273
10438	10	6·009	9·857	10512	10	13·162	12·880	10586	12	17·750	15·200	10660	20	9·989	18·733	10734	14	17·689	20·487
10439	21	9·520	9·246	10513	11	13·606	12·908	10587	10	17·878	15·474	10661	10	10·380	18·649	10735	10	17·763	20·892
10440	12	10·440	9·590	10514	15	14·514	12·174	10588	10	19·375	15·530	10662	10	11·560	18·277	10736	10	18·402	20·331
10441	12	10·616	9·517	10515	14	15·022	12·804	10589	12	19·782	15·005	10663	10	12·142	18·437	10737	10	18·553	20·381
10442	12	15·675	9·493	10516	14	16·859	12·359	10590	11	21·564	15·614	10664	13	12·666	18·827	10738*	30	18·849	20·108
10443	16	15·996	9·896	10517	12	18·285	12·214	10591	12	22·010	15·509	10665	12	12·768	18·304	10739	10	19·604	20·011
10444	31	17·002	9·460	10518	14	19·543	12·499	10592	12	22·294	15·992	10666	17	14·833	18·518	10740	9	20·780	20·394
10445	17	18·361	9·186	10519	10	19·850	12·745	10593	11	23·528	15·332	10667	12	15·923	18·113	10741	9	20·902	20·440
10446	14	18·896	9·482	10520	10	21·805	12·951	10594	9	23·700	15·389	10668	11	17·204	18·022	10742	10	22·398	20·310
10447	10	20·069	9·197	10521	10	22·238	12·524	10595	15	24·268	15·036	10669	12	17·880	18·394	10743	11	23·219	20·121
10448	13	20·755	9·455	10522	12	22·560	12·922	10596	10	24·372	15·742	10670	9	18·202	18·539	10744	9	23·718	20·047
10449	11	22·474	9·055	10523	13	23·952	12·171	10597	32	0·955	16·970	10671	10	18·244	18·744	10745	23	0·404	21·515
10450	9	22·778	9·466	10524	22	24·289	12·218	10598	13	2·741	16·572	10672	12	18·877	18·625	10746	20	1·595	21·411
10451	9	23·466	9·752	10525	10	25·081	12·647	10599	14	3·134	16·664	10673	13	18·927	18·655	10747	17	2·735	21·402
10452	13	23·927	9·299	10526	13	2·058	13·926	10600	14	5·042	16·598	10674	9	19·286	18·395	10748	30	2·750	21·362
10453	11	25·624	9·306	10527	19	2·538	13·515	10601	17	5·816	16·038	10675	9	21·488	18·894	10749	25	3·570	21·305
10454	22	1·965	10·513	10528	16	2·608	13·273	10602	10	6·345	16·736	10676	10	23·156	18·209	10750	11	7·630	21·116
10455	12	2·508	10·607	10529	10	4·766	13·837	10603	8	6·759	16·394	10677	10	23·580	18·750	10751	20	8·176	21·770
10456	22	4·834	10·159	10530	19	6·225	13·487	10604	12	7·006	16·072	10678	11	24·160	18·124	10752	17	8·718	21·664
10457	10	5·465	10·710	10531	9	7·726	13·970	10605	15	8·522	16·416	10679	12	24·223	18·472	10753	9	9·843	21·033
10458	10	6·455	10·890	10532	16	9·660	13·023	10606	10	8·630	16·364	10680	12	25·814	18·644	10754	10	11·180	21·087
10459	10	6·931	10·267	10533	12	10·568	13·080	10607	9	9·085	16·813	10681	30	0·039	19·450	10755*	30	11·347	21·117
10460	14	8·099	10·067	10534	13	10·812	13·392	10608*	50	9·222	16·348	10682	18	0·730	19·612	10756	22	11·830	21·380
10461	12	9·360	10·901	10535	13	14·020	13·920	10609	14	12·250	16·226	10683*	29	1·647	19·304	10757	10	11·999	21·097
10462	12	11·880	10·970	10536	9	15·350	13·925	10610	12	12·523	16·044	10684	10	3·535	19·685	10758	10	12·303	21·811
10463	13	11·997	10·967	10537	24	15·904	13·850	10611	18	13·150	16·200	10685	12	4·073	19·971	10759	10	12·444	21·141
10464	12	12·052	10·340	10538	22	17·474	13·422	10612	25	13·880	16·086	10686	15	5·219	19·029	10760*	40	12·960	21·264
10465	10	12·580	10·505	10539	10	19·019	13·291	10613	15	18·759	16·091	10687	24	5·550	19·189	10761	10	14·458	21·360
10466	11	12·694	10·507	10540	12	19·601	13·128	10614	10	19·535	16·770	10688	10	5·955	19·537	10762*	30	14·576	21·517
10467	13	13·700	10·433	10541	12	20·079	13·531	10615	10	19·608	16·368	10689	12	6·452	19·837	10763	11	15·408	21·934
10468	14	14·265	10·936	10542	24	21·555	13·636	10616	10	20·969	16·686	10690	10	6·890	19·360	10764	10	16·114	21·987
10469	13	17·579	10·550	10543	14	22·342	13·966	10617	10	21·198	16·474	10691	12	8·040	19·554	10765*	37	16·520	21·399
10470	10	18·336	10·394	10544	10	22·625	13·512	10618	10	21·979	16·424	10692*	34	8·911	19·935	10766	11	16·826	21·951
10471*	28	18·644	10·735	10545	14	22·635	13·964	10619	10	22·735	16·694	10693	9	9·110	19·490	10767	12	19·347	21·251
10472	9	18·789	10·955	10546	10	23·814	13·260	10620	16	0·764	17·226	10694	13	9·222	19·914	10768	11	21·716	21·105
10473	10	23·589	10·230	10547	12	25·460	13·904	10621	40	1·074	17·373	10695	9	9·431	19·513	10769	10	22·614	21·117
10474	12	24·380	10·060	10548	25	0·094	14·408	10622	40	2·641	17·460	10696	25	9·500	19·787	10770	12	23·330	21·040
10475	10	24·625	10·681	10549	10	1·428	14·441	10623	13	5·660	17·741	10697	15	10·201	19·609	10771	19	24·308	21·717
10476	15	0·155	11·404	10550	12	4·426	14·924	10624	9	5·718	17·151	10698	14	10·365	19·359	10772	17	24·772	21·885
10477	21	2·044	11·825	10551	9	6·570	14·417	10625*	34	6·342	17·061	10699	13	13·326	19·934	10773	17	24·784	21·466
10478*	33	4·480	11·664	10552	9	6·920	14·478	10626	12	6·505	17·337	10700	13	14·406	19·370	10774	12	25·407	21·477

10775	11	25·806	21·411
10776	26	25·917	21·555
10777	22	26·003	21·447
10778	11	4·033	22·475
10779	13	5·245	22·879
10780	18	5·355	22·918
10781	13	6·470	22·854
10782	11	9·639	22·354
10783	14	11·933	22·220
10784	10	11·997	22·690
10785	11	12·383	22·570
10786	10	12·765	22·811
10787	10	12·797	22·560
10788	14	13·189	22·624
10789	11	13·932	22·386
10790	16	14·350	22·255
10791	10	14·503	22·210
10792	14	14·711	22·099
10793	10	17·905	22·718
10794	8	19·230	22·601
10795	9	20·948	22·977
10796	12	22·055	22·838
10797	28	22·390	22·950
10798	14	22·523	22·514
10799	10	24·385	22·466
10800	14	24·966	22·897
10801	18	25·281	22·191
10802	43	0·090	23·441
10803	32	2·355	23·731
10804	34	3·515	23·624
10805	9	6·359	23·251
10806	12	6·380	23·592
10807	21	7·055	23·967
10808*	30	8·172	23·196
10809	23	8·937	23·770
10810	11	10·279	23·009
10811	19	11·851	23·190
10812	10	11·860	23·615
10813	12	12·938	23·565
10814	10	13·090	23·418
10815	10	13·414	23·675
10816	9	13·700	23·931
10817	9	14·322	23·830
10818	10	14·579	23·491
10819	10	14·615	23·755
10820	10	15·884	23·844
10821	10	15·924	23·321
10822	10	16·820	23·317
10823	9	17·380	23·401
10824	10	17·784	23·793
10825	10	18·119	23·074
10826	11	18·804	23·547
10827	10	19·815	23·684
10828	10	20·324	23·045
10829	12	22·356	23·805
10830	11	22·756	23·832
10831	11	23·328	23·616
10832	20	25·166	23·504
10833	31	0·101	24·646
10834	20	3·490	24·794
10835	19	4·205	24·205
10836*	27	5·703	24·544
10837	27	7·722	24·316
10838	10	8·290	24·037
10839	15	8·835	24·366
10840	10	9·700	24·466
10841	12	9·815	24·521
10842	10	11·743	24·141
10843	10	14·922	24·580
10844	18	15·404	24·275
10845*	32	15·673	24·653
10846	10	16·355	24·653
10847	11	16·365	24·291
10848	17	18·422	24·355

10849	15	18·999	24·483
10850	12	21·586	24·618
10851	14	22·025	24·080
10852	12	22·345	24·627
10853	12	23·014	24·610
10854	12	24·119	24·066
10855	28	24·754	24·065
10856	29	25·402	24·652
10857	16	25·702	24·501
10858	22	2·737	25·116
10859	31	3·126	25·710
10860	·21	7·624	25·279
10861	10	8·330	25·194
10862	12	10·375	25·777
10863	16	11·870	25·464
10864	22	11·950	25·886
10865	14	12·652	25·827
10866	10	13·719	25·540
10867	14	14·002	25·109
10868	10	14·610	25·640
10869	13	14·740	25·114
10870	10	16·538	25·906
10871	10	16·586	25·545
10872	9	17·466	25·906
10873	22	17·633	25·979
10874	9	17·796	25·090
10875	10	18·167	25·368
10876	12	18·380	25·380
10877	28	21·647	25·614
10878	14	23·014	25·357
10879	13	23·622	25·214
10880	20	24·252	25·560
10881	20	25·826	25·564

R. A. 5h 19m

Plate 2297 ; 1903 Oct. 9.

Provisional Constants.

A	B	C
−·00064	+·00254	−·0843
D	**E**	**F**
−·00245	−·00070	+·0231

Mag. = 16·8 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
10901	18	2·683	0·392
10902	14	7·780	0·311
10903	16	8·511	0·417
10904	11	9·923	0·354
10905	16	10·459	0·697
10906	14	10·509	0·533
10907	22	11·816	0·840
10908	15	12·209	0·100
10909	12	14·051	0·369
10910	14	14·298	0·892
10911	13	15·190	0·551
10912	16	15·264	0·454
10913	14	16·359	0·299
10914	20	17·208	0·370
10915	13	18·140	0·066
10916	18	18·282	0·251
10917	11	18·820	0·681
10918	16	19·160	0·496

10919	15	19·166	0·630
10920	14	19·455	0·817
10921	30	20·289	0·596
10922	20	20·759	0·240
10923	22	21·759	0·316
10924	14	22·222	0·797
10925	20	23·346	0·602
10926	36	1·262	1·007
10927	37	1·753	1·668
10928	27	1·871	1·566
10929	18	4·191	1·088
10930	22	7·995	1·105
10931	14	9·005	1·231
16932	16	9·845	1·828
10933	27	10·055	1·636
10934	15	10·251	1·378
10935	15	10·540	1·672
10936	18	12·633	1·746
10937*	40	12·692	1·893
10938	17	13·125	1·528
10939	14	13·284	1·347
10940	12	14·191	1·555
10941	14	14·302	1·650
10942	16	14·939	1·095
10943	16	16·074	1·239
10944	17	16·599	1·515
10945	21	20·251	1·726
10946	13	21·309	1·586
10947	26	21·505	1·477
10948	14	22·398	1·672
10949	14	22·881	1·949
10950	16	22·941	1·281
10951	16	23·312	1·545
10952	17	24·467	1·047
10953	19	25·213	1·411
10954	23	0·975	2·993
10955	42	1·353	2·539
10956	25	4·272	2·910
10957	18	5·249	2·524
10958	21	5·530	2·478
10959*	24	7·064	2·550
10960	18	7·230	2·776
10961	21	7·786	2·124
10962	18	7·886	2·054
10963	16	8·511	2·759
10964*	30	8·907	2·710
10965*	31	10·518	2·178
10966	17	10·586	2·410
10967	18	11·067	2·290
10968	14	11·492	2·255
10969	13	11·620	2·005
10970	13	12·426	2·152
10971	13	12·650	2·050
10972	12	13·866	2·926
10973	10	14·495	2·684
10974	20	14·585	2·640
10975	13	14·941	2·342
10976*	33	14·982	2·850
10977	16	15·511	2·890
10978	17	16·084	2·891
10979	18	16·685	2·320
10980*	75	17·423	2·445
10981*	31	17·499	2·748
10982	16	17·810	2·600
10983	12	19·340	2·883
10984	11	19·403	2·571
10985	14	20·236	2·491
10986	13	21·292	2·587
10987	15	22·283	2·532
10988	15	23·013	2·734
10989	14	23·118	2·335
10990*	22	25·929	2·004
10991	32	0·025	3·242
10992	28	0·737	3·383

10993	32	1·207	3·285
10994	28	1·375	3·103
10995	31	1·391	3·368
10996	14	3·080	3·708
10997	20	4·015	3·493
10998	14	4·343	3·970
10999	19	5·954	3·180
11000	16	6·764	3·272
11001	16	7·830	3·726
11002	15	8·904	3·114
11003	11	9·098	3·868
11004	14	9·339	3·294
11005	12	10·620	3·859
11006	14	11·334	3·933
11007	13	12·524	3·187
11008*	24	14·042	3·539
11009	14	14·334	3·932
11010	20	14·563	3·306
11011	10	14·624	3·059
11012*	40	15·264	3·961
11013	13	15·986	3·784
11014*	32	16·850	3·423
11015	14	16·879	3·406
11016	14	17·145	3·058
11017	18	17·446	3·144
11018	12	18·080	3·942
11019	13	19·576	3·194
11020	16	20·744	3·344
11021	24	20·814	3·442
11022	14	21·734	3·534
11023	16	21·758	3·225
11024	30	1·552	4·404
11025	18	2·694	4·807
11026	17	4·080	4·755
11027	18	4·274	4·109
11028	20	4·485	4·817
11029	18	6·340	4·271
11030	20	6·846	4·503
11031	19	7·474	4·009
11032	15	7·902	4·331
11033	22	8·568	4·328
11034	11	9·716	4·659
11035	14	10·500	4·966
11036	13	10·514	4·716
11037	12	10·930	4·020
11038	12	12·034	4·728
11039	13	12·194	4·746
11040	20	12·591	4·293
11041	17	12·765	4·373
11042	15	13·684	4·037
11043	13	13·752	4·440
11044*	37	13·847	4·074
11045	20	15·699	4·258
11046	14	15·794	4·597
11047	11	16·064	4·696
11048	13	19·291	4·342
11049	14	19·614	4·655
11050	22	19·840	4·165
11051	13	20·094	4·044
11052	12	20·520	4·264
11053	13	20·900	4·575
11054	13	22·711	4·184
11055	21	2·479	5·600
11056	16	3·680	5·065
11057	21	4·950	5·699
11058	14	6·909	5·999
11059	17	7·106	5·834
11060	14	7·249	5·870
11061	17	7·524	5·930
11062	13	8·109	5·312
11063	14	8·249	5·818
11064	10	8·979	5·383
11065	20	9·841	5·515
11066	15	9·904	5·125

11067	11	9·910	5·74
11068	13	10·117	5·41
11069	12	11·142	5·48
11070	13	12·730	5·17
11071	16	15·111	5·05
11072	15	15·467	5·60
11073*	40	16·493	5·50
11074	14	17·614	5·66
11075	14	18·180	5·27
11076	16	18·614	5·02
11077	15	20·030	5·27
11078	10	21·680	5·22
11079	11	22·520	5·79
11080*	32	25·126	5·49
11081	17	25·230	5·98
11082	11	25·762	5·60
11083	12	25·764	5·52
11084	22	25·890	5·21
11085	32	1·147	6·45
11086	22	2·091	6·65
11087	27	2·965	6·41
11088	28	2·971	6·77
11089	19	3·444	6·80
11090	14	4·019	6·51
11091	21	5·274	6·84
11092	23	6·055	6·90
11093	19	6·635	6·98
11094	15	8·055	6·49
11095	14	9·023	6·65
11096	17	9·410	6·68
11097	13	10·331	6·01
11098	15	10·694	6·96
11099*	32	10·770	6·92
11100	15	11·201	6·63
11101	12	11·307	6·82
11102	13	13·334	6·21
11103	21	13·566	6·50
11104	19	16·702	6·68
11105	22	16·785	6·67
11106	10	17·398	6·07
11107	11	17·644	6·08
11108	13	20·548	6·94
11109	14	22·418	6·27
11110	11	22·510	6·95
11111	23	23·006	6·42
11112	12	23·866	6·97
11113	12	24·668	6·97
11114	10	25·340	6·90
11115	16	25·452	6·11
11116	17	25·858	6·00
11117	34	0·360	7·56
11118	21	0·464	7·57
11119	32	0·650	7·97
11120	21	1·039	7·62
11121	17	1·390	7·50
11122	22	2·224	7·61
11123	18	4·804	7·21
11124	14	6·673	7·93
11125	14	7·890	7·24
11126	13	8·811	7·74
11127	13	9·444	7·30
11128	13	9·840	7·64
11129	17	10·442	7·69
11130	15	10·685	7·87
11131	14	11·149	7·50
11132	23	12·230	7·99
11133	18	12·490	7·97
11134	14	13·315	7·36
11135	14	14·495	7·07
11136	25	15·544	7·36
11137	26	16·790	7·40
11138	13	19·470	7·71
11139*	32	20·066	7·70
11140	15	20·190	7·08

11141	11	20·340	7·460	11215	16	6·727	10·456	11289	11	22·025	12·139	11363	16	4·036	16·219	11437	13	20·680	18·804
11142	15	21·084	7·701	11216	14	6·800	10·327	11290*	23	22·314	12·736	11364*	40	4·490	16·303	11438	14	20·858	18·455
11143	12	23·064	7·310	11217	14	7·275	10·906	11291	12	24·238	12·255	11365	10	6·256	16·092	11439	10	23·080	18·155
11144	13	23·210	7·384	11218	16	7·387	10·330	11292	14	24·364	12·591	11366	14	8·572	16·863	11440	12	24·064	18·640
11145*	29	24·164	7·224	11219	15	7·704	10·629	11293	18	25·198	12·385	11367	17	8·640	16·646	11441	14	24·391	18·811
11146	22	25·100	7·122	11220	14	8·236	10·267	11294	14	25·735	12·770	11368	14	10·691	16·363	11442	20	24·626	18·490
11147	13	25·109	7·960	11221	16	9·148	10·552	11295	30	2·466	13·831	11369	14	11·410	16·698	11443	13	25·601	18·841
11148	26	2·311	8·918	11222	20	11·116	10·667	11296	15	4·178	13·755	11370	10	11·914	16·148	11444*	51	0·377	19·647
11149	22	2·770	8·700	11223	18	11·331	10·339	11297	12	4·477	13·541	11371	13	13·263	16·133	11445	43	0·623	19·858
11150	17	2·981	8·547	11224	21	12·120	10·575	11298	12	4·814	13·741	11372	14	17·974	16·516	11446	16	1·150	19·421
11151	16	4·635	8·702	11225	16	12·280	10·840	11299	13	6·125	13·416	11373*	38	18·115	16·736	11447	15	1·821	19·407
11152	14	5·640	8·904	11226*	25	17·890	10·063	11300*	28	6·835	13·797	11374	15	20·008	16·263	11448	26	2·224	19·007
11153	21	5·814	8·211	11227*	35	18·344	10·601	11301*	31	6·906	13·753	11375	15	20·885	16·859	11449	22	2·367	19·576
11154	15	6·075	8·903	11228	14	20·846	10·817	11302*	63	10·880	13·589	11376	15	21·220	16·116	11450	20	4·026	19·855
11155	20	7·700	8·145	11229	13	22·199	10·984	11303	20	14·514	13·158	11377	12	23·292	16·414	11451	21	6·637	19·762
11156	16	8·104	8·731	11230	30	0·454	11·815	11304	17	15·572	13·550	11378	13	23·730	16·102	11452	12	7·559	19·629
11157	15	8·820	8·260	11231	19	2·372	11·476	11305	19	15·676	13·216	11379	13	25·510	16·114	11453	17	7·628	19·353
11158	17	8·935	8·246	11232	31	2·841	11·210	11306	23	16·116	13·767	11380	33	0·131	17·390	11454	20	9·050	19·400
11159	16	9·726	8·310	11233	20	4·087	11·230	11307*	31	16·560	13·917	11381	26	0·677	17·649	11455	11	10·182	19·700
11160	23	11·434	8·090	11234	14	4·719	11·341	11308	18	17·444	13·096	11382	24	1·377	17·464	11456	14	15·055	19·939
11161	19	11·556	8·637	11235	11	5·880	11·897	11309	22	17·670	13·882	11383	21	1·614	17·744	11457	14	15·835	19·510
11162	17	12·086	8·910	11236	12	6·150	11·317	11310	16	19·196	13·403	11384	18	1·919	17·451	11458	12	20·144	19·495
11163	10	12·633	8·340	11237	12	6·519	11·499	11311	15	21·095	13·186	11385	12	2·355	17·860	11459	14	20·315	19·037
11164	18	12·746	8·505	11238	14	6·865	11·920	11312	13	21·865	13·550	11386	20	2·791	17·715	11460	20	20·999	19·774
11165	17	12·896	8·264	11239	15	7·744	11·325	11313	15	24·272	13·005	11387	41	2·824	17·417	11461	14	21·582	19·524
11166*	45	13·391	8·284	11240	14	7·794	11·889	11314	17	0·293	14·681	11388	20	3·046	17·693	11462	10	21·589	19·789
11167*	41	13·477	8·141	11241	15	8·525	11·919	11315	46	0·538	14·526	11389	31	3·203	17·474	11463	17	22·576	19·399
11168	23	13·690	8·827	11242	15	9·422	11·370	11316	16	1·513	14·170	11390	12	4·269	17·550	11464	16	23·863	19·349
11169	16	13·760	8·360	11243	13	9·781	11·413	11317	18	1·553	14·450	11391	20	5·331	17·505	11465	22	23·964	19·691
11170	18	15·839	8·416	11244	22	9·916	11·984	11318	14	3·699	14·824	11392	13	5·740	17·456	11466	14	24·014	19·355
11171	21	18·720	8·514	11245	15	10·829	11·980	11319	11	3·800	14·923	11393	13	6·531	17·501	11467	21	24·017	19·809
11172	12	19·863	8·191	11246	17	10·930	11·699	11320	19	3·896	14·220	11394	10	6·545	17·134	11468	14	24·575	19·357
11173	12	21·235	8·575	11247	19	12·432	11·991	11321	10	4·253	14·538	11395	17	6·585	17·490	11469	19	24·800	19·981
11174	20	21·842	8·591	11248	23	12·607	11·600	11322	15	6·212	14·752	11396	13	6·941	17·190	11470	22	25·544	19·840
11175*	23	23·510	8·989	11249*	34	13·600	11·390	11323	13	6·424	14·436	11397	12	7·375	17·317	11471	23	2·702	20·123
11176	18	23·885	8·363	11250	14	14·035	11·953	11324	13	6·955	14·724	11398	14	8·545	17·395	11472	18	3·743	20·884
11177	11	24·804	8·868	11251	21	14·455	11·426	11325	14	8·121	14·468	11399	12	9·491	17·173	11473	13	3·745	20·140
11178	12	24·825	8·197	11252	17	14·580	11·840	11326	12	8·347	14·774	11400	18	10·380	17·017	11474	16	4·219	20·280
11179	13	24·891	8·223	11253	19	17·600	11·165	11327	13	8·795	14·634	11401	16	10·627	17·109	11475	14	4·232	20·585
11180	12	1·620	9·569	11254*	36	17·955	11·728	11328	15	8·844	14·333	11402	17	11·869	17·927	11476	20	4·635	20·825
11181	12	2·741	9·176	11255	22	18·840	11·442	11329	15	9·946	14·730	11403	17	12·089	17·901	11477	13	6·255	20·934
11182	13	3·255	9·222	11256	16	19·891	11·691	11330*	50	10·878	14·557	11404	16	13·981	17·311	11478	13	7·402	20·240
11183	14	6·270	9·366	11257	15	20·250	11·385	11331	22	12·432	14·906	11405	17	14·079	17·178	11479	18	7·411	20·216
11184	16	6·524	9·114	11258	14	21·377	11·118	11332	16	13·690	14·089	11406	19	14·262	17·273	11480	18	7·860	20·128
11185	14	9·727	9·632	11259	15	22·015	11·696	11333	18	15·255	14·518	11407	22	16·712	17·054	11481	20	8·584	20·606
11186	16	9·883	9·005	11260	13	22·102	11·150	11334	15	17·420	14·990	11408	14	16·840	17·893	11482	10	9·114	20·328
11187	22	10·600	9·814	11261	14	22·542	11·818	11335	10	17·571	14·986	11409	16	16·864	17·051	11483	16	10·447	20·011
11188	16	11·337	9·137	11262	14	23·590	11·803	11336	13	18·750	14·596	11410	19	17·484	17·344	11484	14	11·224	20·578
11189	27	12·118	9·299	11263	15	25·577	11·222	11337	14	19·870	14·671	11411	25	20·771	17·850	11485	19	12·395	20·361
11190	20	12·814	9·393	11264	12	25·646	11·882	11338	10	22·616	14·432	11412	14	20·854	17·592	11486	10	14·693	20·914
11191	18	12·900	9·510	11265	43	0·322	12·499	11339	19	25·605	14·545	11413	14	21·316	17·886	11487	19	15·697	20·044
11192	19	13·167	9·070	11266*	48	1·190	12·269	11340	11	25·741	14·260	11414	22	21·955	17·655	11488	13	16·265	20·437
11193*	30	13·294	9·515	11267	13	3·374	12·945	11341	33	0·335	15·316	11415	13	21·988	17·431	11489	13	16·455	20·020
11194	21	16·430	9·284	11268	14	3·394	12·624	11342	12	3·457	15·904	11416*	30	23·055	17·147	11490	20	16·582	20·050
11195	14	16·851	9·762	11269	12	4·554	12·024	11343	14	5·215	15·488	11417	14	24·374	17·126	11491	13	17·490	20·411
11196	24	17·114	9·566	11270	16	5·426	12·282	11344	12	5·324	15·272	11418	18	24·873	17·823	11492	22	18·814	20·405
11197	21	17·558	9·065	11271	13	6·046	12·778	11345	12	5·966	15·250	11419	14	25·355	17·062	11493	22	20·845	20·659
11198	20	17·974	9·370	11272	17	6·270	12·286	11346	15	6·662	15·353	11420	19	0·262	18·404	11494	19	21·883	20·674
11199	20	17·993	9·448	11273	14	7·220	12·358	11347	16	10·188	15·489	11421	21	0·332	18·752	11495	14	22·964	20·628
11200	19	19·513	9·316	11274	15	7·848	12·377	11348	20	10·424	15·941	11422	23	2·857	18·226	11496	23	23·583	20·280
11201	16	19·770	9·375	11275	18	7·873	12·879	11349	12	10·436	15·920	11423	14	2·880	18·767	11497	16	24·337	20·555
11202	12	19·840	9·194	11276	14	8·366	12·890	11350	32	10·759	15·022	11424	16	3·434	18·285	11498	12	24·795	20·585
11203	12	21·108	9·807	11277	31	9·116	12·203	11351	16	11·473	15·171	11425	16	4·196	18·756	11499	13	24·940	20·907
11204*	22	23·683	9·042	11278	16	9·633	12·935	11352	18	12·440	15·093	11426	14	5·874	18·761	11500	14	25·176	20·386
11205	16	25·430	9·670	11279*	21	10·768	12·890	11353	21	12·686	15·069	11427	17	6·749	18·477	11501	35	0·460	21·995
11206	25	0·385	10·340	11280	19	10·792	12·564	11354	12	13·539	15·125	11428	21	7·340	18·690	11502	37	0·931	21·736
11207	19	0·634	10·956	11281	16	11·357	12·183	11355	20	13·810	15·198	11429	10	7·649	18·887	11503	40	2·066	21·811
11208	18	2·808	10·850	11282	16	12·444	12·289	11356	15	14·376	15·526	11430	15	8·215	18·714	11504	37	2·149	21·704
11209	13	3·200	10·542	11283	16	15·892	12·770	11357	17	16·826	15·207	11431	11	9·837	18·687	11505	22	2·510	21·326
11210	14	3·394	10·235	11284	12	16·656	12·827	11358	10	18·870	15·234	11432	21	10·794	18·217	11506	34	2·727	21·196
11211	12	3·486	10·661	11285	18	16·830	12·749	11359	15	22·894	15·022	11433	19	11·821	18·440	11507	31	3·126	21·640
11212	12	4·250	10·744	11286	14	19·346	12·300	11360	12	24·667	15·378	11434	16	13·809	18·194	11508	19	3·414	21·191
11213	14	5·259	10·052	11287*	23	20·368	12·577	11361	42	25·816	15·460	11435	14	19·426	18·227	11509	16	5·206	21·818
11214	11	6·522	10·372	11288	13	20·682	12·849	11362	14	3·064	16·498	11436	14	20·342	18·491	11510	11	5·546	21·781

11511	20	5·560	21·986
11512	18	5·746	21·809
11513	16	6·927	21·627
11514*	30	7·030	21·040
11515	14	9·045	21·247
11516	21	14·288	21·624
11517	13	14·524	21·900
11518	14	15·170	21·776
11519	13	15·970	21·781
11520	14	16·984	21·537
11521*	30	17·231	21·124
11522	22	18·214	21·984
11523	14	19·064	21·040
11524	10	20·060	21·152
11525	19	21·014	21·265
11526	16	21·866	21·463
11527	13	22·120	21·327
11528	14	23·066	21·527
11529	15	23·110	21·646
11530	14	23·330	21·896
11531*	50	25·376	21·700
11532	22	25·574	21·394
11533	28	25·623	21·814
11534	33	0·926	22·156
11535	33	1·438	22·455
11536	14	4·346	22·042
11537	18	5·966	22·364
11538	23	6·642	22·755
11539	18	6·671	22·502
11540	16	8·090	22·914
11541	14	8·936	22·175
11542	10	9·537	22·664
11543	16	9·956	22·840
11544	19	10·124	22·870
11545	14	10·535	22·901
11546	13	10·870	22·590
11547	10	11·090	22·117
11548	12	12·764	22·393
11549	10	13·309	22·468
11550	13	14·137	22·680
11551	13	15·160	22·535
11552	20	15·283	22·554
11553	31	15·640	22·887
11554	12	15·822	22·155
11555	16	16·186	22·488
11556	13	16·861	22·718
11557	14	17·312	22·853
11558	12	18·840	22·174
11559	22	19·511	22·059
11560	30	19·745	22·409
11561	21	20·970	22·710
11562	11	21·829	22·422
11563	21	22·700	22·860
11564	18	22·862	22·276
11565	14	22·930	22·340
11566	34	1·341	23·772
11567	41	2·917	23·466
11568	22	3·771	23·875
11569	22	3·794	23·726
11570	17	5·301	23·444
11571	15	6·918	23·221
11572	14	9·350	23·806
11573	10	10·016	23·251
11574	14	10·396	23·957
11575	13	12·686	23·101
11576	13	13·266	23·344
11577	14	14·878	23·327
11578	19	16·288	23·538
11579	11	16·290	23·096
11580	23	17·296	23·086
11581	10	17·972	23·577
11582	13	18·177	23·316
11583	10	19·542	23·756
11584	12	20·082	23·111

11585	15	22·306	23·037
11586	26	23·199	23·560
11587	13	24·132	23·608
11588	22	24·484	23·399
11589	16	24·533	23·555
11590	42	0·936	24·334
11591	43	1·588	24·914
11592	21	1·888	24·760
11593	30	2·924	24·082
11594	18	3·591	24·726
11595	33	4·105	24·836
11596	30	4·774	24·463
11597	18	4·776	24·507
11598	21	5·006	24·043
11599	10	7·855	24·746
11600	19	7·884	24·620
11601	13	7·944	24·839
11602	14	11·720	24·656
11603	22	13·491	24·160
11604*	27	13·877	24·540
11605*	30	14·777	24·310
11606	14	15·704	24·118
11607	15	16·313	24·314
11608	13	17·177	24·876
11609*	31	17·875	24·985
11610	20	18·186	24·856
11611*	30	18·736	24·524
11612	14	18·771	24·336
11613	13	18·930	24·246
11614	16	20·606	24·544
11615	14	22·070	24·475
11616	22	22·489	24·576
11617	16	22·670	24·174
11618	21	23·544	24·696
11619	19	25·702	24·844
11620	28	2·026	25·822
11621	50	2·349	25·460
11622	22	5·351	25·874
11623	30	5·360	25·363
11624	22	5·566	25·108
11625	22	6·208	25·474
11626	26	6·509	25·004
11627	17	7·396	25·942
11628	30	8·400	25·217
11629	20	8·454	25·781
11630	14	8·934	25·166
11631	19	9·224	25·739
11632	16	9·855	25·651
11633	14	9·900	25·921
11634	14	10·490	25·334
11635	14	11·774	25·568
11636	22	12·894	25·329
11637	16	12·942	25·466
11638	16	13·412	25·457
11639	20	14·626	25·660
11640	11	14·757	25·909
11641	13	16·420	25·204
11642	10	17·404	25·204
11643	16	17·520	25·525
11644	16	20·766	25·030
11645	28	21·808	25·842
11646	16	22·830	25·507
11647	25	24·623	25·776
11648	22	24·802	25·390
11649	36	25·272	25·709
11650	23	25·368	26·000
11651*	43	25·484	25·061

R. A. 5h 28m

Plate 2091; 1903 Feb. 6.

Provisional Constants.

A	B	C
−·00042	−·00457	+·0352
D	**E**	**F**
+·00465	−·00048	−·1948

Mag. $= 16·2 - 1·36 \sqrt{d}$

No.	*d*	*x*	*y*
11701	25	0·082	0·464
11702	20	1·214	0·899
11703	22	4·630	0·427
11704	12	4·681	0·650
11705	22	5·773	0·333
11706	12	8·773	0·453
11707	10	10·411	0·070
11708	22	12·917	0·496
11709	24	14·340	0·746
11710	10	14·933	0·589
11711	13	16·052	0·047
11712	15	17·594	0·434
11713	11	18·924	0·485
11714	13	18·951	0·119
11715	12	20·671	0·315
11716*	22	2·683	1·837
11717	11	3·373	1·449
11718	28	4·489	1·105
11719	13	4·537	1·794
11720	22	5·043	1·406
11721	22	6·020	1·942
11722	11	6·850	1·843
11723	14	7·405	1·030
11724	12	9·824	1·721
11725	14	10·980	1·342
11726	11	11·055	1·283
11727	11	15·700	1·733
11728	10	17·300	1·706
11729	12	19·433	1·868
11730	13	19·844	1·274
11731	12	21·048	1·285
11732	12	21·723	1·308
11733	12	22·925	1·185
11734	15	3·616	2·793
11735*	28	4·784	2·059
11736	11	4·984	2·689
11737	10	9·280	2·589
11738	18	11·624	2·055
11739	15	14·714	2·274
11740*	22	14·931	2·819
11741	10	17·515	2·500
11742	10	20·123	2·844
11743	13	21·106	2·699
11744	12	21·556	2·754
11745	14	23·245	2·301
11746	13	23·285	2·797
11747	12	23·644	2·952
11748*	32	24·264	2·951
11749	11	24·888	2·592
11750	11	25·461	2·839
11751*	44	25·601	2·100
11752	12	25·735	2·707
11753	11	3·229	3·974
11754	15	4·700	3·297
11755	12	5·094	3·935
11756	12	10·490	3·200

11757	12	10·871	3·411
11758	13	11·255	3·900
11759	20	11·318	3·747
11760	12	11·886	3·332
11761	10	13·611	3·411
11762*	12	15·511	3·032
11763	11	16·271	3·480
11764	12	17·114	3·343
11765	11	17·387	3·880
11766	22	17·560	3·111
11767	17	17·964	3·384
11768	11	19·584	3·282
11769	12	19·764	3·588
11770	13	21·860	3·866
11771	13	23·794	3·420
11772	14	24·724	3·580
11773	13	4·544	4·353
11774	22	4·674	4·962
11775	14	5·119	4·511
11776	15	5·794	4·227
11777	13	7·171	4·952
11778	12	7·351	4·985
11779	21	9·530	4·141
11780	10	10·632	4·970
11781	28	11·829	4·855
11782	12	12·700	4·083
11783	27	12·754	4·851
11784	10	13·866	4·974
11785	13	15·882	4·724
11786	11	16·382	4·421
11787	13	17·790	4·495
11788	11	17·950	4·643
11789	18	18·418	4·757
11790	10	18·792	4·483
11791	14	19·215	4·737
11792	11	23·333	4·375
11793	12	23·399	4·184
11794	11	24·491	4·257
11795	13	25·064	4·266
11796	14	25·601	4·478
11797*	29	1·929	5·344
11798	19	2·036	5·828
11799	18	2·259	5·955
11800	17	2·666	5·840
11801	22	2·688	5·050
11802	22	6·868	5·534
11803	22	9·084	5·924
11804	16	10·354	5·320
11805	10	12·600	5·420
11806	11	13·292	5·022
11807	12	14·115	5·820
11808	11	14·622	5·442
11809	12	17·093	5·041
11810	13	17·175	5·200
11811	11	17·587	5·482
11812	14	18·534	5·389
11813	22	19·165	5·875
11814	25	20·492	5·106
11815	11	20·574	5·077
11816	11	21·492	5·124
11817	11	24·506	5·830
11818	13	24·730	5·417
11819	18	0·685	6·831
11820	12	1·489	6·819
11821	25	1·919	6·964
11822	10	2·924	6·868
11823	11	3·266	6·658
11824	11	4·764	6·127
11825	22	6·570	6·806
11826	11	9·706	6·256
11827	10	10·340	6·220
11828	11	10·790	6·026
11829*	28	11·383	6·575
11830	23	11·755	6·186

11831	10	12·777	6·750
11832	22	13·620	6·471
11833	10	15·874	6·861
11834	15	16·926	6·161
11835	10	17·066	6·772
11836	12	23·634	6·036
11837	29	23·855	6·160
11838*	60	23·899	6·162
11839	10	25·059	6·918
11840	13	0·031	7·250
11841*	23	0·985	7·080
11842	13	1·940	7·801
11843	11	6·380	7·151
11844	21	7·050	7·380
11845	13	8·420	7·428
11846	12	9·700	7·675
11847	10	11·891	7·469
11848*	33	13·293	7·429
11849*	42	15·481	7·323
11850	11	15·677	7·100
11851	11	15·801	7·095
11852*	40	18·187	7·206
11853	13	18·350	7·789
11854	19	18·649	7·533
11855	22	18·887	7·474
11856	10	21·153	7·461
11857	23	22·724	7·498
11858	21	24·368	7·988
11859*	22	0·353	8·851
11860*	22	0·528	8·906
11861	13	0·720	8·220
11862	17	1·660	8·045
11863	13	1·725	8·069
11864	11	5·048	8·313
11865	20	5·266	8·316
11866	11	5·580	8·054
11867	13	8·555	8·581
11868	21	11·040	8·930
11869	13	11·044	8·886
11870	16	13·835	8·323
11871	18	14·676	8·750
11872	13	15·534	8·631
11873	13	15·756	8·133
11874	11	16·132	8·581
11875	10	17·607	8·828
11876	13	18·980	8·986
11877	23	20·733	8·189
11878	15	21·098	8·598
11879	13	21·759	8·253
11880	10	24·409	8·029
11881	10	24·595	8·449
11882	13	25·405	8·092
11883	10	2·285	9·511
11884	12	3·066	9·100
11885	11	4·797	9·800
11886	22	5·085	9·686
11887	13	7·355	9·500
11888	13	7·401	9·569
11889	10	8·044	9·255
11890	19	10·784	9·509
11891	22	16·824	9·000
11892	13	16·947	9·170
11893	10	17·019	9·157
11894	21	17·950	9·779
11895	22	17·984	9·088
11896	18	18·289	9·671
11897	13	19·657	9·176
11898	10	20·977	9·817
11899	12	21·779	9·176
11900	10	22·312	9·910
11901	12	23·296	9·708
11902	11	23·547	9·201
11903	11	25·300	9·309
11904	13	25·486	9·180

11905	11	2·479	10·167	11979*	21	13·561	12·436	12053	18	24·709	15·115	12127	12	18·537	18·322	12201	10	22·626	20·104
11906	13	3·785	10·512	11980	11	15·849	12·350	12054	12	1·324	16·979	12128	13	19·575	18·610	12202	10	23·174	20·875
11907	13	3·948	10·466	11981	15	18·275	12·083	12055	21	2·307	16·900	12129	21	20·098	18·077	12203	13	23·200	20·382
11908	10	7·839	10·515	11982*	23	20·771	12·400	12056	11	3·056	16·686	12130	20	20·395	18·927	12204	21	23·916	20·920
11909	12	8·212	10·792	11983	12	21·055	12·678	12057	18	3·240	16·064	12131	10	20·399	18·907	12205	12	24·024	20·274
11910	13	9·595	10·593	11984	13	21·440	12·373	12058*	33	3·573	16·098	12132	13	20·424	18·367	12206	18	0·124	21·516
11911	13	10·113	10·642	11985	10	21·476	12·398	12059	12	3·935	16·286	12133	22	20·693	18·881	12207	16	0·340	21·767
11912	13	13·872	10·108	11986	11	21·648	12·670	12060	23	4·750	16·116	12134	11	21·594	18·870	12208*	27	2·388	21·540
11913	23	15·510	10·453	11987	10	22·095	12·873	12061	13	6·714	16·121	12135	20	21·775	18·176	12209	17	2·583	21·231
11914	11	15·764	10·982	11988	13	22·433	12·041	12062	13	8·686	16·972	12136	11	24·562	18·714	12210	19	2·636	21·654
11915	13	17·052	10·996	11989	12	23·833	12·085	12063	11	12·711	16·447	12137	10	24·983	18·358	12211	11	7·845	21·089
11916	21	17·925	10·960	11990*	22	25·549	12·853	12064	11	12·761	16·724	12138	20	25·037	18·377	12212	10	9·210	21·010
11917	10	18·305	10·795	11991	11	2·913	13·792	12065	13	13·159	16·769	12139	11	25·151	18·417	12213	21	9·905	21·778
11918	14	19·232	10·916	11992	15	4·150	13·842	12066	13	13·990	16·089	12140	13	0·844	19·211	12214	10	10·484	21·281
11919	13	19·856	10·765	11993	13	4·906	13·168	12067	21	14·365	16·766	12141	19	0·947	19·551	12215	10	12·424	21·282
11920	13	20·589	10·120	11994*	22	6·047	13·304	12068	11	17·826	16·391	12142	12	0·995	19·214	12216	12	14·097	21·426
11921	22	21·917	10·206	11995	19	8·744	13·841	12069	13	17·990	16·846	12143	18	1·004	19·671	12217	11	14·530	21·874
11922	13	22·217	10·879	11996	22	9·655	13·299	12070	12	19·077	16·555	12144	12	1·556	19·210	12218	11	14·815	21·787
11923	11	22·800	10·557	11997	11	9·774	13·633	12071*	39	20·369	16·155	12145	13	1·788	19·830	12219	10	14·884	21·576
11924	12	24·444	10·674	11998	11	11·738	13·482	12072	11	21·209	16·929	12146	15	2·531	19·677	12220	13	15·036	21·836
11925	10	24·686	10·069	11999	11	14·074	13·406	12073	10	21·486	16·087	12147	10	3·861	19·690	12221	9	17·485	21·537
11926	10	24·761	10·596	12000	21	14·917	13·425	12074	12	21·544	16·610	12148	13	4·449	19·135	12222	13	17·720	21·509
11927	12	25·750	10·457	12001*	22	17·071	13·920	12075	11	21·865	16·449	12149	20	5·466	19·601	12223	13	18·456	21·693
11928*	43	25·774	10·986	12002	13	18·467	13·200	12076	11	21·909	16·608	12150	10	5·607	19·680	12224	22	18·714	21·714
11929	21	25·786	10·787	12003	13	20·604	13·577	12077	12	23·857	16·984	12151	12	5·708	19·095	12225	10	19·145	21·020
11930	12	0·473	11·668	12004	20	20·944	13·115	12078*	22	24·439	16·807	12152	22	5·819	19·416	12226	22	19·187	21·876
11931	13	2·450	11·060	12005	10	21·012	13·840	12079	12	24·909	16·960	12153	10	7·660	19·894	12227	11	19·547	21·650
11932	11	2·526	11·720	12006	12	21·450	13·524	12080	21	24·929	16·164	12154	12	7·814	19·354	12228	13	20·670	21·509
11933	13	3·040	11·768	12007	11	23·795	13·717	12081	22	0·005	17·019	12155	11	8·224	19·936	12229*	23	20·700	21·517
11934	10	3·445	11·065	12008	20	24·426	13·463	12082	12	1·834	17·672	12156	14	8·422	19·594	12230	10	21·399	21·491
11935	10	4·326	11·409	12009	21	25·155	13·977	12083	12	3·115	17·956	12157	21	9·402	19·277	12231	12	21·435	21·578
11936*	21	6·434	11·065	12010	12	2·524	14·386	12084	16	3·123	17·229	12158	13	10·742	19·123	12232	13	21·633	21·196
11937	13	7·330	11·529	12011	13	5·754	14·558	12085	13	4·085	17·571	12159	13	11·174	19·739	12233	13	21·854	21·224
11938	21	7·764	11·364	12012	11	6·138	14·622	12086	13	5·649	17·790	12160	11	12·983	19·814	12234	12	21·889	21·265
11939	11	8·520	11·301	12013	12	8·189	14·412	12087	13	6·335	17·876	12161	11	13·425	19·898	12235	10	22·020	21·740
11940	23	9·775	11·239	12014	12	8·195	14·610	12088	12	6·338	17·084	12162*	31	13·957	19·671	12236	11	22·699	21·137
11941	12	9·817	11·259	12015	10	8·200	14·925	12089	13	7·025	17·150	12163	11	18·590	19·797	12237	11	24·485	21·986
11942	11	12·882	11·021	12016	10	8·986	14·786	12090	12	7·355	17·141	12164	11	20·100	19·171	12238	22	25·890	21·432
11943*	28	14·138	11·982	12017	13	9·794	14·119	12091	11	7·401	17·377	12165	11	20·850	19·958	12239	17	25·944	21·139
11944	13	14·201	11·829	12018	10	11·501	14·708	12092	18	13·539	17·844	12166	11	21·949	19·095	12240	21	4·490	22·871
11945*	42	14·693	11·210	12019*	22	12·119	14·120	12093	10	13·932	17·950	12167	12	22·085	19·754	12241	13	4·515	22·650
11946	15	16·185	11·216	12020	13	15·808	14·050	12094	12	15·140	17·583	12168	12	22·329	19·710	12242	12	4·815	22·492
11947	17	16·432	11·879	12021*	13	22·139	14·829	12095	17	16·364	17·164	12169	13	22·426	19·338	12243*	47	9·113	22·435
11948	12	17·597	11·895	12022	19	22·160	14·006	12096	12	17·699	17·462	12170	13	25·714	19·935	12244	11	10·836	22·250
11949	17	17·729	11·798	12023	12	23·724	14·239	12097	11	18·866	17·468	12171	22	0·574	20·148	12245	21	12·515	22·074
11950	11	17·753	11·365	12024	20	24·507	14·155	12098	10	18·956	17·305	12172	13	1·335	20·412	12246	13	12·714	22·724
11951	10	17·955	11·984	12025	13	24·671	14·995	12099	12	21·742	17·535	12173	11	2·170	20·231	12247	21	13·247	22·100
11952	13	18·526	11·656	12026	10	25·560	14·571	12100	10	22·435	17·824	12174	11	4·722	20·316	12248	10	15·389	22·848
11953	22	18·545	11·196	12027	13	0·664	15·966	12101	10	22·782	17·964	12175	21	4·929	20·097	12249	13	16·021	22·315
11954	15	21·198	11·963	12028	10	0·769	15·224	12102	12	23·625	17·182	12176	10	6·344	20·558	12250	10	16·045	22·707
11955	11	21·409	11·006	12029	11	2·448	15·955	12103	10	23·933	17·193	12177	11	6·353	20·970	12251	13	17·679	22·171
11956	10	22·643	11·629	12030*	54	2·746	15·296	12104	17	25·066	17·324	12178	10	8·365	20·882	12252	10	18·420	22·649
11957	10	22·905	11·179	12031	17	2·948	15·805	12105	11	1·035	18·503	12179	13	9·634	20·681	12253	22	18·500	22·379
11958*	30	23·498	11·738	12032	13	3·681	15·960	12106	11	1·365	18·665	12180	11	10·252	20·480	12254	10	18·855	22·270
11959	13	23·702	11·727	12033	16	3·764	15·149	12107	14	1·595	18·342	12181	11	11·051	20·291	12255	13	18·969	22·539
11960	10	25·491	11·449	12034	11	3·858	15·969	12108	11	2·577	18·680	12182	18	13·041	20·797	12256	11	19·132	22·942
11961	13	25·619	11·470	12035	13	4·088	15·051	12109*	38	3·037	18·044	12183	10	13·100	20·894	12257	12	20·725	22·228
11962	10	25·650	11·282	12036	12	4·255	15·194	12110	12	3·755	18·720	12184	13	14·755	20·200	12258	12	21·168	22·333
11963	10	25·799	11·017	12037	10	4·430	15·272	12111	13	5·206	18·182	12185	15	15·026	20·775	12259	11	22·467	22·484
11964	10	1·126	12·111	12038	10	5·821	15·128	12112	12	5·338	18·003	12186	10	15·074	20·718	12260	13	22·704	22·957
11965	12	1·166	12·860	12039	10	8·195	15·340	12113	10	5·439	18·057	12187	10	16·075	20·099	12261	22	22·724	22·637
11966	13	1·255	12·444	12040	13	8·595	15·068	12114*	28	5·496	18·051	12188	12	17·330	20·671	12262	27	25·168	22·795
11967	17	2·085	12·226	12041	11	8·699	15·192	12115	10	5·926	18·790	12189	10	17·935	20·037	12263	11	25·376	22·251
11968	13	2·630	12·608	12042	10	9·324	15·251	12116	13	6·595	18·595	12190	10	18·747	20·376	12264	23	0·235	23·433
11969*	35	3·607	12·370	12043	22	9·754	15·901	12117	22	9·194	18·478	12191	11	19·125	20·324	12265	20	1·515	23·253
11970	11	4·119	12·079	12044	13	11·331	15·659	12118	13	9·735	18·342	12192	11	19·295	20·870	12266	13	1·571	23·410
11971	16	5·275	12·336	12045	22	12·536	15·761	12119	15	10·776	18·324	12193	15	19·569	20·917	12267	21	4·926	23·301
11972	11	5·918	12·767	12046	11	12·851	15·509	12120	22	12·477	18·299	12194	10	19·681	20·258	12268	13	5·400	23·268
11973	11	6·503	12·517	12047	12	13·618	15·079	12121	11	14·111	18·674	12195	10	19·888	20·449	12269	13	6·250	23·058
11974	11	7·685	12·920	12048	22	13·851	15·798	12122	11	15·620	18·958	12196	11	21·173	20·720	12270	13	7·818	23·736
11975	13	8·660	12·130	12049	12	16·986	15·881	12123	10	15·815	18·842	12197	11	21·620	20·410	12271	13	8·380	23·825
11976	10	8·857	12·577	12050	22	19·355	15·950	12124	15	16·466	18·973	12198	11	21·666	20·327	12272	10	10·400	23·689
11977	11	9·177	12·448	12051	10	22·390	15·080	12125	21	17·011	18·882	12199	11	21·808	20·191	12273	13	11·144	23·952
11978	19	11·575	12·771	12052	10	24·455	15·600	12126	10	17·149	18·121	12200	12	22·391	20·995	12274	10	11·877	23·781

No.	d	x	y
12275	12	12·590	23·930
12276	11	12·825	23·310
12277	12	13·824	23·236
12278	22	13·905	23·761
12279	11	16·183	23·995
12280	10	16·584	23·990
12281	13	17·317	23·029
12282	12	17·428	23·077
12283	15	17·784	23·374
12284	17	18·400	23·545
12285	10	18·969	23·327
12286	13	19·159	23·064
12287	10	20·591	23·367
12288	13	20·885	23·731
12289	12	21·266	23·653
12290	11	21·290	23·360
12291	13	22·441	23·741
12292	19	0·594	24·564
12293*	38	2·537	24·901
12294	16	2·565	24·257
12295	18	2·755	24·682
12296	22	4·031	24·258
12297	23	5·550	24·622
12298	13	6·550	24·742
12299	16	6·779	24·950
12300	11	8·104	24·467
12301*	39	8·505	24·358
12302	17	10·255	24·190
12303	10	11·371	24·620
12304	10	12·716	24·166
12305	13	12·957	24·528
12306	10	13·164	24·003
12307	12	13·306	24·780
12308	13	13·426	24·535
12309	12	13·825	24·939
12310	10	13·948	24·970
12311	13	14·235	24·855
12312	13	14·900	24·887
12313	10	14·956	24·859
12314	10	16·428	24·512
12315	19	16·574	24·858
12316*	41	17·796	24·167
12317	13	20·226	24·089
12318	22	21·749	24·275
12319	10	21·758	24·120
12320	12	21·965	24·684
12321	23	22·437	24·470
12322	22	22·605	24·847
12323	20	22·894	24·753
12324	22	23·432	24·818
12325	19	24·311	24·284
12326	13	24·780	24·193
12327	22	1·686	25·630
12328	18	1·863	25·236
12329	32	2·334	25·556
12330	22	2·436	25·847
12331	11	5·965	25·402
12332	22	6·603	25·545
12333	11	7·244	25·074
12334	20	9·668	25·214
12335	10	9·723	25·407
12336	11	10·226	25·161
12337	13	10·382	25·783
12338	10	12·677	25·465
12339	12	14·808	25·429
12340	13	15·385	25·882
12341	20	15·715	25·009
12342	21	15·804	25·668
12343	15	16·705	25·401
12344	10	17·485	25·557
12345	11	17·723	25·380
12346	22	18·307	25·050
12347	11	19·144	25·136
12348	12	19·606	25·072
12349	10	19·879	25·793
12350	13	20·380	25·665
12351	23	20·660	25·845
12352	18	25·504	25·406
12353	22	25·614	25·509

R. A. 5h 37m

Plate 2298; 1903 Oct. 9.

Provisional Constants.

A	B	C
−·00066	+·00179	−·1273
D	**E**	**F**
−·00169	−·00072	+·0279

Mag. = 16·4 − 1·35 $\sqrt{d}$

No.	d	x	y
12401	13	2·273	0·074
12402	19	6·693	0·243
12403	15	7·020	0·490
12404	13	7·881	0·319
12405	13	7·919	0·306
12406	13	10·290	0·860
12407	12	10·679	0·284
12408	12	11·387	0·411
12409	22	11·920	0·700
12410*	40	15·194	0·682
12411	13	15·730	0·481
12412	12	16·427	0·433
12413	13	16·461	0·066
12414	12	16·693	0·069
12415	12	17·786	0·086
12416	14	17·820	0·776
12417	12	18·115	0·724
12418	13	18·463	0·605
12419	12	19·256	0·837
12420	13	19·767	0·640
12421	11	19·824	0·449
12422	13	20·442	0·311
12423	13	20·942	0·414
12424	13	21·944	0·525
12425	12	22·081	0·910
12426	13	23·315	0·950
12427	14	23·616	0·968
12428	11	24·066	0·894
12429	13	24·355	0·158
12430	12	24·815	0·831
12431	11	25·738	0·694
12432*	42	3·890	1·416
12433	15	4·604	1·084
12434	13	7·224	1·553
12435	11	7·226	1·601
12436	11	7·277	1·666
12437	13	8·590	1·727
12438	12	8·832	1·531
12439	21	10·110	1·949
12440*	15	10·197	1·730
12441	11	12·186	1·324
12442	13	12·782	1·354
12443	10	12·895	1·249
12444	13	12·929	1·724
12445	13	13·167	1·692
12446	12	13·601	1·832
12447	12	14·535	1·313
12448	13	14·564	1·315

No.	d	x	y
12449	12	14·696	1·924
12450	13	15·193	1·549
12451	12	16·753	1·396
12452	13	17·205	1·087
12453	12	18·297	1·830
12454	24	18·604	1·984
12455	13	18·941	1·641
12456	13	19·189	1·250
12457	12	19·291	1·591
12458	10	19·513	1·350
12459	11	19·776	1·336
12460	13	19·914	1·716
12461	13	21·546	1·620
12462	13	22·483	1·533
12463	12	22·484	1·300
12464	10	22·573	1·894
12465	13	23·736	1·065
12466	14	23·996	1·876
12467	12	24·075	1·627
12468	15	24·398	1·974
12469	13	24·719	1·889
12470	17	25·167	1·721
12471	13	25·819	1·136
12472*	31	25·995	1·526
12473	13	1·977	2·919
12474*	50	2·097	2·183
12475	13	2·247	2·782
12476	32	2·827	2·217
12477	22	6·044	2·738
12478	13	6·578	2·209
12479	13	6·582	2·982
12480	12	7·012	2·378
12481	13	7·285	2·507
12482	12	7·894	2·561
12483	12	8·025	2·204
12484	13	9·742	2·731
12485	13	9·755	2·069
12486	13	10·254	2·217
12487	10	11·736	2·833
12488	13	11·921	2·456
12489	12	12·266	2·746
12490	12	12·381	2·112
12491	12	12·418	2·694
12492	11	15·810	2·842
12493	13	16·449	2·765
12494	10	16·551	2·603
12495	12	16·700	2·635
12496	13	17·170	2·737
12497	11	18·272	2·710
12498	13	18·381	2·773
12499	11	18·480	2·870
12500	22	18·547	2·501
12501*	31	18·571	2·510
12502	13	18·753	2·795
12503	13	18·936	2·672
12504	20	20·390	2·167
12505	11	20·658	2·936
12506	13	20·955	2·253
12507	12	21·077	2·579
12508	10	22·244	2·611
12509	13	22·919	2·051
12510	13	23·755	2·752
12511	22	23·869	2·089
12512	13	24·021	2·174
12513	12	25·505	2·097
12514	13	0·166	3·084
12515	13	0·324	3·542
12516*	37	0·784	3·066
12517	19	1·258	3·684
12518	21	3·780	3·324
12519	20	4·250	3·575
12520	32	4·263	3·211
12521	13	5·611	3·089
12522	13	5·735	3·057

No.	d	x	y
12523	13	5·989	3·575
12524	11	6·740	3·097
12525	13	6·855	3·874
12526	11	8·404	3·704
12527	13	9·182	3·322
12528	10	10·019	3·924
12529	13	10·150	3·211
12530	13	10·445	3·627
12531	13	10·563	3·955
12532	10	10·625	3·645
12533	26	12·608	3·113
12534	15	13·194	3·796
12535	13	15·099	3·737
12536	10	16·938	3·333
12537	13	17·867	3·369
12538	11	18·654	3·209
12539	11	19·180	3·142
12540	13	19·655	3·621
12541	10	20·129	3·626
12542	11	20·317	3·400
12543	11	20·543	3·810
12544	13	21·450	3·525
12545	20	21·739	3·130
12546	13	22·007	3·867
12547	12	22·055	3·863
12548	13	22·274	3·030
12549	13	23·677	3·074
12550*	22	24·737	3·669
12551	13	1·041	4·365
12552	12	1·617	4·361
12553	13	2·158	4·561
12554	10	3·082	4·794
12555	22	5·049	4·803
12556	15	5·164	4·107
12557	13	5·270	4·755
12558	10	5·546	4·627
12559	22	5·588	4·350
12560	22	5·964	4·546
12561	13	6·481	4·237
12562	11	7·338	4·947
12563	13	8·344	4·316
12564	27	9·415	4·001
12565	12	11·114	4·742
12566	13	11·557	4·991
12567	12	11·567	4·506
12568	10	11·769	4·876
12569	15	12·025	4·955
12570	13	12·065	4·673
12571	22	12·850	4·835
12572	11	13·249	4·301
12573	12	15·072	4·028
12574	11	15·187	4·401
12575	13	15·671	4·880
12576	13	16·437	4·562
12577	11	16·583	4·094
12578	12	17·061	4·113
12579	11	17·133	4·320
12580	11	17·688	4·651
12581	13	17·767	4·449
12582	10	18·506	4·062
12583	12	18·619	4·745
12584	21	19·384	4·057
12585	13	20·162	4·089
12586	18	20·255	4·070
12587	12	21·533	4·569
12588	22	21·713	4·625
12589	21	22·282	4·083
12590	12	22·612	4·833
12591	13	22·820	4·142
12592	12	22·823	4·798
12593	21	23·282	4·348
12594	13	23·355	4·160
12595	14	23·474	4·623
12596	10	23·856	4·412

No.	d	x	y
12597	12	23·869	4·756
12598	13	24·555	4·916
12599	17	25·260	4·558
12600	10	25·736	4·093
12601	12	25·896	4·751
12602	13	1·101	5·935
12603	12	1·316	5·517
12604	17	3·927	5·863
12605	13	5·357	5·560
12606	13	7·051	5·751
12607	13	7·052	5·565
12608	11	7·938	5·434
12609	22	9·123	5·782
12610	12	10·363	5·879
12611	14	10·659	5·741
12612	13	11·375	5·886
12613	15	12·387	5·402
12614	13	12·939	5·030
12615	22	13·622	5·179
12616	13	15·645	5·719
12617	22	17·304	5·699
12618	12	17·542	5·917
12619	11	18·476	5·983
12620	13	18·704	5·222
12621	12	18·926	5·880
12622	13	20·452	5·338
12623	11	20·594	5·381
12624	12	20·836	5·655
12625	13	21·035	5·044
12626	12	21·447	5·225
12627	13	21·679	5·741
12628	13	22·006	5·060
12629	23	23·289	5·550
12630	11	23·486	5·333
12631	11	23·524	5·548
12632	13	24·126	5·936
12633	13	0·235	6·165
12634	31	0·459	6·283
12635*	60	0·505	6·284
12636	11	0·601	6·241
12637	13	3·338	6·525
12638	13	3·776	6·066
12639	11	4·288	6·290
12640	18	4·990	6·216
12641	23	5·326	6·803
12642	15	5·993	6·536
12643	12	7·795	6·417
12644	11	8·054	6·762
12645	12	10·639	6·498
12646	21	11·292	6·433
12647	13	12·015	6·942
12648	15	13·414	6·405
12649	14	13·475	6·826
12650	13	15·251	6·089
12651*	45	15·664	6·313
12652	13	17·225	6·642
12653	13	18·806	6·029
12654	10	19·584	6·824
12655	19	19·633	6·864
12656	13	20·141	6·988
12657	13	21·244	6·283
12658	13	21·854	6·421
12659	12	21·938	6·736
12660	14	22·821	6·130
12661	13	22·954	6·789
12662	12	23·375	6·825
12663	13	24·350	6·747
12664	12	24·452	6·811
12665	13	1·684	7·007
12666	14	4·643	7·673
12667	19	4·736	7·007
12668	13	5·150	7·006
12669	17	5·298	7·636
12670	11	5·623	7·789

12671	13	6·627	7·784	12745	13	19·944	8·215	12819	12	17·067	10·206	12893	13	16·745	12·031	12967	12	18·433	14·932
12672	12	7·850	7·987	12746	11	20·200	8·821	12820*	22	19·045	10·345	12894	15	17·747	12·337	12968	13	19·631	14·458
12673	13	8·494	7·107	12747	11	20·264	8·920	12821	12	19·767	10·396	12895	11	18·867	12·775	12969	12	19·902	14·077
12674	18	9·213	7·873	12748	13	20·617	8·517	12822	13	20·703	10·370	12896	13	20·139	12·079	12970	13	20·216	14·551
12675	20	9·287	7·590	12749	12	20·929	8·274	12823	13	20·837	10·225	12897	12	20·875	12·895	12971	10	20·425	14·164
12676*	22	10·105	7·795	12750	19	21·208	8·631	12824	10	20·899	10·750	12898	13	21·725	12·513	12972	13	20·632	14·404
12677	13	10·474	7·264	12751	13	21·557	8·506	12825	13	21·298	10·959	12899	12	21·895	12·691	12973	12	20·696	14·578
12678	22	11·344	7·205	12752	12	21·588	8·680	12826	14	23·240	10·688	12900	21	22·517	12·745	12974	10	21·564	14·618
12679	12	12·131	7·827	12753	31	22·515	8·443	12827	12	23·390	10·882	12901	12	23·014	12·794	12975	13	22·258	14·210
12680	22	13·394	7·906	12754	11	23·457	8·620	12828	13	23·897	10·617	12902	11	23·286	12·364	12976	22	22·408	14·789
12681	11	14·458	7·557	12755	12	23·528	8·276	12829	13	25·105	10·518	12903	13	23·511	12·879	12977	13	22·700	14·507
12682	13	15·787	7·915	12756	10	23·584	8·577	12830	13	25·231	10·945	12904	13	23·695	12·982	12978	13	23·185	14·757
12683*	37	16·239	7·951	12757	13	24·105	8·652	12831	21	25·258	10·293	12905	12	24·197	12·794	12979	12	23·838	14·369
12684	11	17·050	7·590	12758	22	24·522	8·197	12832	14	25·316	10·694	12906	11	24·395	12·462	12980	13	25·051	14·143
12685	13	18·038	7·397	12759*	22	25·009	8·179	12833	13	25·374	10·671	12907	13	24·733	12·415	12981	11	25·472	14·325
12686	18	18·375	7·608	12760	13	25·361	8·648	12834	14	25·426	10·565	12908	13	25·077	12·995	12982	13	25·569	14·645
12687	13	18·408	7·573	12761	10	25·473	8·373	12835	11	25·464	10·695	12909	13	25·707	12·487	12983	15	1·507	15·090
12688	13	18·437	7·372	12762	13	25·905	8·525	12836	13	25·601	10·178	12910	13	25·829	12·157	12984	15	1·548	15·211
12689	12	18·783	7·620	12763	13	1·990	9·394	12837	15	25·738	10·517	12911	12	0·603	13·837	12985	13	1·933	15·372
12690	13	19·725	7·585	12764	13	2·169	9·258	12838	19	25·818	10·771	12912	18	1·223	13·568	12986	12	3·115	15·704
12691	20	20·459	7·930	12765	12	2·759	9·742	12839*	29	0·250	11·867	12913	14	3·617	13·376	12987*	42	3·599	15·070
12692	32	21·058	7·598	12766	21	3·322	9·074	12840	13	0·452	11·851	12914	13	4·147	13·900	12988	13	4·027	15·162
12693	17	21·463	7·455	12767	13	3·865	9·450	12841	14	2·364	11·546	12915	15	4·694	13·403	12989	13	5·192	15·727
12694	12	21·771	7·226	12768	10	4·001	9·397	12842*	48	2·506	11·060	12916	13	5·387	13·846	12990	13	5·314	15·324
12695	13	21·776	7·996	12769	12	4·823	9·857	12843	11	2·530	11·087	12917	11	6·143	13·100	12991	12	6·475	15·190
12696	12	22·125	7·214	12770	12	4·838	9·534	12844	11	2·765	11·964	12918	13	6·552	13·675	12992	21	6·533	15·845
12697	12	22·306	7·258	12771	12	5·714	9·222	12845	17	2·765	11·381	12919	15	6·763	13·295	12993	13	6·574	15·169
12698	12	22·367	7·383	12772	11	10·653	9·482	12846	15	3·829	11·527	12920	11	7·575	13·489	12994	13	6·790	15·357
12699	12	22·574	7·509	12773	22	11·041	9·574	12847	11	4·274	11·955	12921	11	8·792	13·511	12995	13	8·200	15·099
12700	11	23·382	7·818	12774*	32	12·755	9·414	12848	13	5·621	11·465	12922	15	10·114	13·297	12996	13	8·427	15·399
12701	13	23·484	7·374	12775	14	13·995	9·820	12849	12	7·220	11·642	12923	13	10·416	13·896	12997	22	8·496	15·099
12702	13	23·556	7·399	12776	22	14·029	9·244	12850	13	11·045	11·273	12924	22	11·437	13·914	12998	13	9·014	15·750
12703	11	23·836	7·557	12777	12	15·135	9·429	12851*	31	11·842	11·247	12925	22	11·771	13·084	12999	21	11·162	15·744
12704	11	23·907	7·464	12778	12	15·530	9·555	12852	13	12·895	11·513	12926	18	14·794	14·374	13000	22	11·737	15·951
12705	13	24·864	7·207	12779	13	16·144	9·711	12853	13	13·216	11·218	12927	10	16·177	13·374	13001	11	11·981	15·418
12706*	42	25·174	7·037	12780	18	16·714	9·114	12854	12	13·398	11·136	12928	19	16·795	13·249	13002*	32	12·564	15·357
12707	22	25·190	7·071	12781	13	17·299	9·842	12855*	43	14·520	11·644	12929	22	16·950	13·009	13003	10	13·099	15·531
12708	12	25·337	7·783	12782	14	17·393	9·070	12856	17	15·805	11·348	12930	11	19·182	13·245	13004	11	13·336	15·405
12709	20	1·018	8·098	12783	17	17·989	9·381	12857	13	15·901	11·872	12931	10	21·073	13·407	13005	12	13·488	15·234
12710	13	1·258	8·553	12784*	31	18·817	9·819	12858	20	16·354	11·879	12932	12	21·987	13·025	13006	13	16·464	15·673
12711	15	2·061	8·174	12785	11	19·382	9·199	12859	17	16·800	11·545	12933	23	22·629	13·629	13007	22	17·180	15·467
12712	13	3·125	8·683	12786	10	20·272	9·911	12860	12	16·924	11·829	12934	13	22·661	13·965	13008	10	18·020	15·300
12713	12	3·857	8·469	12787	13	20·673	9·565	12861	13	17·573	11·508	12935	10	22·680	13·502	13009*	34	18·032	15·022
12714	13	4·064	8·203	12788*	24	20·714	9·855	12862	12	18·751	11·525	12936	13	23·985	13·724	13010	13	18·437	15·669
12715	11	4·675	8·496	12789	11	20·725	9·161	12863	13	18·896	11·474	12937	12	24·422	13·589	13011	12	19·495	15·280
12716	13	5·136	8·454	12790	13	20·975	9·882	12864	11	19·067	11·964	12938	13	24·811	13·306	13012	20	19·955	15·697
12717	15	6·325	8·266	12791	12	21·415	9·739	12865	13	19·222	11·611	12939	13	25·048	13·543	13013	22	20·409	15·808
12718	11	7·094	8·605	12792	13	21·420	9·375	12866	13	19·850	11·686	12940	15	25·254	13·449	13014	11	21·836	15·197
12719	10	9·497	8·961	12793	12	22·575	9·624	12867	12	19·904	11·625	12941	15	25·527	13·283	13015	11	22·636	15·369
12720	13	10·387	8·353	12794	18	23·046	9·630	12868	15	20·387	11·922	12942	22	25·760	13·480	13016	12	23·149	15·271
12721	11	10·793	8·065	12795	12	23·083	9·644	12869	12	20·665	11·132	12943	12	0·543	14·364	13017	14	23·561	15·551
12722	12	11·095	8·528	12796	24	23·189	9·521	12870	22	20·782	11·554	12944	20	1·325	14·256	13018	12	23·684	15·131
12723	10	11·356	8·545	12797	13	24·747	9·493	12871	11	20·889	11·504	12945	10	1·383	14·251	13019	12	23·769	15·552
12724	13	11·704	8·872	12798	22	25·071	9·962	12872	14	21·498	11·111	12946	18	1·965	14·064	13020	11	24·401	15·389
12725	12	12·155	8·772	12799	14	25·942	9·599	12873	13	21·767	11·419	12947	12	3·386	14·645	13021	12	24·866	15·516
12726	13	13·012	8·190	12800	13	1·171	10·781	12874	21	23·863	11·381	12948	22	3·816	14·698	13022*	35	25·636	15·134
12727	13	13·348	8·632	12801	12	1·478	10·695	12875	13	24·301	11·220	12949	12	4·637	14·617	13023*	22	1·324	16·910
12728	13	13·567	8·183	12802	13	2·466	10·531	12876	12	0·594	12·206	12950	12	4·674	14·068	13024	18	1·795	16·254
12729	12	14·086	8·901	12803	23	2·513	10·858	12877*	32	2·328	12·929	12951	10	5·027	14·704	13025	12	2·655	16·444
12730	23	14·334	8·525	12804	13	2·754	10·032	12878	22	3·545	12·501	12952	12	6·973	14·344	13026	13	4·279	16·266
12731	22	14·804	8·833	12805	15	4·967	10·373	12879	12	4·046	12·617	12953*	44	7·428	14·622	13027*	32	4·501	16·812
12732	22	15·063	8·202	12806	11	6·585	10·708	12880	15	5·226	12·065	12954	13	8·535	14·152	13028	12	4·686	16·294
12733	17	15·797	8·721	12807	11	7·519	10·518	12881	13	5·270	12·080	12955	12	9·329	14·294	13029	22	4·855	16·473
12734	13	15·827	8·333	12808	13	8·924	10·306	12882	12	6·205	12·316	12956	13	10·157	14·590	13030	14	4·978	16·191
12735	13	16·295	8·245	12809	13	9·112	10·183	12883	13	6·694	12·350	12957	12	10·201	14·501	13031*	57	5·538	16·674
12736	13	16·605	8·342	12810	14	9·592	10·150	12884	13	8·611	12·664	12958	18	11·407	14·710	13032	25	6·220	16·994
12737	16	16·685	8·503	12811	12	10·797	10·238	12885	11	8·670	12·694	12959	12	11·848	14·406	13033	15	6·474	16·093
12738	13	17·368	8·142	12812	22	11·511	10·139	12886	22	9·230	12·466	12960	13	12·221	14·090	13034	13	7·229	16·764
12739	14	17·664	8·293	12813	13	11·626	10·037	12887	13	9·270	12·536	12961	13	12·370	14·391	13035	13	7·237	16·309
12740	13	18·502	8·609	12814	10	12·132	10·657	12888	22	11·010	12·958	12962	12	13·377	14·292	13036	12	7·331	16·804
12741	11	19·406	8·579	12815	11	12·399	10·206	12889	21	13·910	12·412	12963*	23	13·495	14·061	13037	12	7·355	16·532
12742	13	19·438	8·866	12816	13	13·619	10·917	12890	10	15·096	12·041	12964	22	14·754	14·789	13038	11	9·025	16·485
12743	13	19·631	8·625	12817	23	13·758	10·120	12891	22	15·125	12·212	12965	10	18·175	14·974	13039	13	9·755	16·807
12744	12	19·906	8·689	12818	12	16·509	10·354	12892	10	16·177	12·564	12966	12	18·294	14·976	13040	13	12·727	16·337

13041	12	13·926	16·970	13115	22	24·853	17·630	13189	23	21·895	19·544	13263	15	24·903	21·508	13337	14	6·578	23·81
13042	14	14·403	16·455	13116	15	1·495	18·811	13190	13	23·765	19·008	13264	13	24·927	21·921	13338	13	6·820	23·80
13043	13	14·444	16·740	13117	11	1·812	18·461	13191	12	24·034	19·649	13265	13	25·141	21·657	13339	13	7·905	23·57
13044	12	14·478	16·275	13118	13	1·906	18·445	13192	19	24·544	19·743	13266	14	1·503	22·085	13340	12	8·285	23·52
13045*	39	16·036	16·126	13119	25	1·965	18·464	13193	14	24·566	19·866	13267	22	2·213	22·877	13341	13	9·700	23·86
13046	22	16·040	16·392	13120	13	2·077	18·501	13194	22	24·898	19·655	13268	12	3·263	22·016	13342	13	9·900	23·86
13047	22	16·204	16·614	13121	12	2·444	18·188	13195	20	25·015	19·152	13269	17	4·050	22·855	13343	13	10·041	23·15
13048	10	16·756	16·601	13122	11	2·706	18·095	13196	13	25·346	19·585	13270	13	5·647	22·936	13344	12	10·552	23·20
13049	13	16·844	16·420	13123	12	5·303	18·699	13197	20	0·182	20·518	13271*	32	5·925	22·948	13345	11	10·795	23·07
13050	13	17·360	16·716	13124	13	6·626	18·784	13198	12	1·001	20·388	13272	13	6·073	22·281	13346	13	11·371	23·38
13051*	23	17·462	16·133	13125*	22	7·291	18·000	13199	15	2·679	20·005	13273	23	6·380	22·186	13347	12	11·926	23·86
13052*	52	18·071	16·384	13126	13	7·305	18·617	13200	13	3·842	20·455	13274	17	6·475	22·811	13348	13	14·524	23·11
13053	13	18·274	16·144	13127	10	8·513	18·746	13201	13	4·836	20·894	13275	12	7·411	22·520	13349	13	14·546	23·43
13054	11	18·346	16·737	13128	13	8·947	18·843	13202	13	5·258	20·985	13276	13	8·495	22·796	13350	14	14·660	23·61
13055	12	18·685	16·764	13129	12	10·205	18·128	13203	14	5·289	20·517	13277	12	8·670	22·606	13351	11	14·837	23·48
13056	13	18·830	16·620	13130	13	13·965	18·652	13204	20	6·861	20·565	13278	11	9·537	22·389	13352	12	15·577	23·24
13057	10	19·324	16·393	13131	13	15·353	18·501	13205	11	7·706	20·093	13279*	32	9·610	22·884	13353	11	15·886	23·88
13058	12	19·520	16·279	13132	11	15·365	18·234	13206	13	8·434	20·470	13280	11	9·680	22·004	13354	10	16·948	23·46
13059	15	19·577	16·584	13133	13	15·384	18·675	13207	13	9·945	20·685	13281	21	9·900	22·155	13355	13	17·149	23·06
13060	12	19·812	16·605	13134	14	15·572	18·418	13208	16	10·106	20·076	13282	13	10·408	22·125	13356	12	17·169	23·36
13061	12	19·882	16·812	13135	18	16·713	18·043	13209	13	11·427	20·952	13283	12	10·685	22·097	13357	12	17·407	23·51
13062	10	21·375	16·454	13136	12	17·304	18·248	13210	12	13·147	20·817	13284	13	10·874	22·337	13358	12	17·588	23·38
13063	22	21·936	16·044	13137	14	17·877	18·915	13211	13	13·700	20·750	13285	12	11·020	22·709	13359	23	18·542	23·84
13064	12	22·318	16·150	13138	13	18·074	18·139	13212	13	13·861	20·044	13286	11	11·441	22·206	13360	17	18·754	23·73
13065	12	22·510	16·435	13139	11	18·251	18·020	13213	13	14·755	20·636	13287	11	11·740	22·926	13361	13	18·955	23·13
13066	13	22·828	16·292	13140	21	19·159	18·239	13214	13	16·146	20·503	13288	13	12·045	22·916	13362	15	19·338	23·75
13067	13	23·128	16·903	13141	11	20·766	18·533	13215	22	16·252	20·093	13289	12	12·214	22·690	13363	12	19·396	23·52
13068	23	23·411	16·427	13142	12	20·777	18·503	13216	22	17·900	20·274	13290	11	12·840	22·630	13364	13	20·077	23·76
13069	12	24·045	16·298	13143	10	21·819	18·599	13217	12	18·171	20·145	13291	22	12·936	22·727	13365	12	20·105	23·93
13070	11	24·090	16·971	13144	13	21·942	18·622	13218	11	18·504	20·840	13292	13	13·699	22·886	13366	25	20·329	23·34
13071	13	24·220	16·755	13145	13	22·395	18·818	13219	13	19·711	20·587	13293	13	13·866	22·004	13367	11	21·065	23·16
13072	13	24·295	16·517	13146*	31	22·940	18·179	13220	11	20·026	20·577	13294	13	14·250	22·354	13368	10	21·102	23·12
13073	14	25·196	16·921	13147	13	23·189	18·724	13221	13	20·054	20·142	13295	12	14·261	22·943	13369	22	21·568	23·49
13074	12	0·519	17·307	13148	22	23·746	18·688	13222	22	20·497	20·329	13296	14	14·387	22·030	13370	12	21·876	23·26
13075	13	0·747	17·100	13149	13	24·004	18·256	13223	14	20·978	20·785	13297	12	14·462	22·877	13371	27	22·220	23·37
13076	12	0·825	17·307	13150	15	24·077	18·562	13224	19	21·614	20·151	13298	11	15·492	22·286	13372	13	22·245	23·86
13077	16	1·798	17·050	13151	10	24·267	18·224	13225*	42	22·464	20·485	13299	10	15·597	22·717	13373	15	23·177	23·19
13078	20	1·965	17·410	13152	13	24·553	18·890	13226	12	22·690	20·459	13300	13	15·886	22·252	13374	11	23·411	23·51
13079	13	4·027	17·175	13153	22	25·234	18·113	13227	11	23·128	20·891	13301	12	15·889	22·020	13375	12	23·874	23·32
13080	12	5·489	17·690	13154	14	25·665	18·477	13228	12	24·206	20·289	13302	12	16·066	22·583	13376	24	0·527	24·94
13081	13	5·772	17·486	13155	22	3·415	19·115	13229	13	25·005	20·126	13303	11	16·189	22·909	13377	20	1·392	24·38
13082	12	6·705	17·382	13156	13	4·575	19·074	13230	13	25·308	20·944	13304	11	16·897	22·266	13378	22	3·739	24·99
13083	13	6·753	17·789	13157	13	5·761	19·964	13231	22	0·909	21·034	13305	12	17·084	22·828	13379	26	3·930	24·41
13084	11	7·700	17·692	13158	11	6·164	19·111	13232	22	2·897	21·494	13306	11	17·536	22·673	13380	19	3·975	24·76
13085	11	8·035	17·671	13159	13	6·544	19·729	13233	17	2·943	21·198	13307	12	17·594	22·741	13381	21	5·258	24·35
13086	13	8·958	17·707	13160	13	6·750	19·095	13234	13	3·176	21·570	13308	10	17·724	22·836	13382	18	5·444	24·44
13087	12	12·655	17·502	13161	13	8·959	19·022	13235	13	3·238	21·661	13309	11	17·814	22·688	13383	15	5·504	24·26
13088	13	13·226	17·000	13162	13	9·179	19·362	13236	13	4·830	21·095	13310	13	17·952	22·909	13384	13	5·516	24·12
13089	13	13·355	17·309	13163	12	9·433	19·245	13237	19	4·838	21·606	13311	12	18·326	22·095	13385	18	6·035	24·53
13090	13	13·482	17·921	13164	11	9·945	19·804	13238	23	5·960	21·889	13312	11	18·694	22·554	13386	15	7·160	24·13
13091	13	13·805	17·251	13165	14	10·132	19·224	13239	11	6·055	21·651	13313	12	18·720	22·610	13387	10	7·601	24·33
13092	12	13·895	17·167	13166	12	11·350	19·818	13240	13	6·597	21·992	13314	10	18·784	22·322	13388	13	8·186	24·90
13093	13	14·319	17·807	13167	13	12·045	19·199	13241	13	7·311	21·019	13315	12	18·827	22·339	13389	15	8·826	24·34
13094	11	14·889	17·892	13168	14	12·523	19·005	13242	13	9·099	21·885	13316	13	19·954	22·980	13390	10	9·690	24·25
13095	22	14·894	17·000	13169	12	13·240	19·422	13243	12	9·601	21·824	13317	12	19·962	22·934	13391	12	9·900	24·38
13096	23	16·230	17·389	13170	13	13·690	19·468	13244	13	10·745	21·994	13318	11	20·670	22·976	13392	13	9·926	24·65
13097	11	16·772	17·129	13171	23	13·913	19·333	13245	12	11·784	21·182	13319	19	20·795	22·395	13393	10	10·064	24·78
13098	17	17·049	17·214	13172	10	14·127	19·132	13246	13	12·735	21·880	13320	13	21·685	22·903	13394	12	10·383	24·98
13099	21	17·807	17·055	13173	13	15·316	19·309	13247	31	13·300	21·551	13321	12	22·875	22·344	13395	10	10·651	24·74
13100	13	18·490	17·096	13174	12	15·631	19·429	13248	12	14·564	21·907	13322	13	23·676	22·169	13396	18	10·655	24·94
13101	13	18·571	17·500	13175	14	15·706	19·116	13249	13	15·085	21·753	13323	12	24·506	22·256	13397	23	10·827	24·10
13102	13	19·336	17·032	13176	11	15·735	19·009	13250	11	15·372	21·652	13324	12	24·553	22·090	13398	22	12·155	24·83
13103	11	19·636	17·658	13177	13	15·785	19·174	13251	13	16·291	21·567	13325	12	25·126	22·437	13399	11	12·391	24 27
13104*	32	19·875	17·166	13178	13	16·023	19·970	13252	13	18·812	21·576	13326	10	25·209	22·285	13400	10	12·451	24·33
13105	13	19·910	17·814	13179	11	17·011	19·637	13253	12	21·161	21·517	13327	19	25·359	22·712	13401	12	12·891	24·00
13106	17	19·984	17·320	13180	13	17·469	19·889	13254	14	21·647	21·437	13328	31	25·427	22·215	13402	12	13·237	24·20
13107	13	20·194	17·848	13181	12	18·070	19·101	13255	14	21·729	21·028	13329	17	3·955	23·049	13403	14	13·463	24·70
13108	22	22·056	17·244	13182	13	19·544	19·356	13256	13	21·814	21·405	13330	23	4·082	23·554	13404	13	14·200	24·97
13109	12	22·607	17·574	13183	10	20·924	19·087	13257	15	21·924	21·052	13331*	41	4·144	23·160	13405*	35	14·686	24·49
13110	12	23·589	17·467	13184	12	21·034	19·947	13258	11	22·242	21·201	13332	22	4·628	23·711	13406	15	15·502	24·94
13111*	24	23·608	17·199	13185	13	21·203	19·769	13259	13	22·795	21·772	13333	22	4·658	23·601	13407	21	16·020	24·73
13112	13	23·943	17·302	13186	12	21·333	19·775	13260	14	23·764	21·924	13334	13	5·264	23·556	13408	10	16·742	24·04
13113	12	24·119	17·707	13187	11	21·485	19·708	13261	13	24·524	21·585	13335	19	5·393	23·669	13409	12	17·096	24·31
13114	12	24·466	17·964	13188	13	21·723	19·519	13262	11	24·794	21·404	13336*	43	5·775	23·418	13410	13	17·281	24·95

No.	d	x	y
13411	13	17.765	24.433
13412	12	17.783	24.155
13413	11	17.824	24.744
13414	27	18.457	24.794
13415	13	18.524	24.873
13416	12	18.814	24.456
13417	22	18.877	24.671
13418	12	19.566	24.592
13419	13	19.956	24.272
13420	13	20.045	24.750
13421	18	20.425	24.485
13422	22	20.755	24.111
13423	13	21.437	24.367
13424*	32	21.747	24.144
13425	13	23.120	24.371
13426	13	23.465	24.694
13427	11	23.621	24.372
13428*	27	23.655	24.465
13429	17	23.693	24.752
13430	14	23.735	24.039
13431	12	24.269	24.892
13432	12	24.365	24.504
13433	15	24.728	24.440
13434	22	25.016	24.894
13435	13	25.626	24.755
13436	23	25.955	24.324
13437	20	2.614	25.477
13438	23	2.725	25.580
13439	13	4.270	25.693
13440	20	4.381	25.309
13441	18	4.595	25.810
13442	19	5.666	25.830
13443*	42	5.687	25.648
13444	19	6.266	25.598
13445	17	6.277	25.123
13446	11	8.948	25.753
13447	12	9.466	25.476
13448	13	9.591	25.041
13449	17	11.474	25.481
13450	11	11.840	25.309
13451	15	12.333	25.921
13452	23	12.339	25.269
13453	21	13.607	25.149
13454	19	13.744	25.882
13455	12	15.112	25.000
13456	13	15.180	25.875
13457	13	15.362	25.270
13458	11	16.588	25.816
13459	14	17.810	25.419
13460	12	17.977	25.499
13461	21	18.576	25.207
13462	12	18.626	25.384
13463	13	18.778	25.394
13464	11	18.849	25.000
13465	13	20.945	25.899
13466	12	21.996	25.747
13467	15	22.538	25.866
13468	13	22.836	25.709
13469	18	23.583	25.549
13470	14	24.713	25.657
13471	14	24.931	25.809

R. A. 5h 46m

Plate 2299; 1903 Oct. 9.

Provisional Constants.

A	B	C
−·00080	+·00222	−·1175
D	**E**	**F**
−·00214	−·00073	+·0622

Mag. = 17·0 − 1·36 $\sqrt{d}$

No.	d	x	y
13501	16	4.373	0.925
13502	22	4.595	0.126
13503	25	5.075	0.755
13504	21	5.441	0.484
13505	19	9.665	0.166
13506	18	9.990	0.888
13507	17	10.174	0.258
13508	14	10.883	0.562
13509	13	11.486	0.558
13510	18	11.646	0.110
13511	11	12.208	0.047
13512	14	14.229	0.373
13513*	31	15.496	0.817
13514	11	17.161	0.200
13515	14	18.355	0.317
13516	14	18.684	0.442
13517*	51	20.587	0.385
13518*	33	21.306	0.310
13519	15	22.174	0.389
13520	22	22.975	0.000
13521	20	23.319	0.400
13522	23	23.457	0.776
13523	32	0.253	1.058
13524	30	0.647	1.958
13525	31	1.372	1.955
13526	26	1.818	1.779
13527*	48	2.644	1.569
13528	23	3.584	1.075
13529	41	4.350	1.221
13530*	33	4.609	1.864
13531	24	4.695	1.290
13532	18	4.857	1.720
13533	12	5.261	1.694
13534	14	6.490	1.636
13535	16	7.014	1.786
13536	16	10.154	1.607
13537	11	10.842	1.146
13538*	21	12.606	1.387
13539	11	12.896	1.215
13540	12	14.454	1.540
13541	13	14.490	1.841
13542	14	15.548	1.170
13543	13	15.820	1.753
13544	13	16.223	1.967
13545	13	17.956	1.790
13546	11	18.070	1.986
13547	20	19.045	1.155
13548	13	19.103	1.177
13549	20	22.055	1.032
13550	16	22.420	1.145
13551	19	23.424	1.305
13552	16	23.794	1.928
13553	14	24.055	1.312
13554	22	24.260	1.213
13555	38	0.528	2.174
13556	23	0.680	2.255

No.	d	x	y
13557	33	1.052	2.045
13558	25	3.336	2.755
13559	18	4.966	2.573
13560	18	5.468	2.776
13561*	31	5.666	2.571
13562	20	6.693	2.127
13563	15	7.354	2.520
13564	14	8.937	2.401
13565	14	9.172	2.606
13566	15	10.136	2.836
13567	17	10.174	2.061
13568	12	10.640	2.237
13569	14	12.360	2.643
13570	14	12.466	2.604
13571	15	13.245	2.283
13572	18	13.584	2.284
13573	15	16.244	2.146
13574*	17	16.260	2.128
13575	20	16.828	2.405
13576	17	17.639	2.334
13577	14	18.996	2.408
13578	12	20.424	2.907
13579	12	21.190	2.174
13580	20	24.740	2.522
13581*	43	1.430	3.736
13582	10	3.110	3.812
13583	16	3.276	3.348
13584	32	4.894	3.295
13585	14	6.708	3.130
13586	27	7.280	3.964
13587	17	7.336	3.064
13588	16	7.875	3.421
13589	18	8.825	3.270
13590	17	9.007	3.533
13591	9	9.250	3.370
13592	19	9.450	3.427
13593	21	9.595	3.027
13594	14	9.817	3.607
13595	10	10.002	3.592
13596	12	10.392	3.707
13597	15	10.610	3.480
13598	12	10.889	3.647
13599	10	11.174	3.468
13600	21	11.828	3.256
13601	19	11.855	3.958
13602	12	12.247	3.261
13603	21	14.249	3.168
13604	18	14.798	3.267
13605	20	15.264	3.900
13606	14	17.552	3.870
13607	15	19.049	3.607
13608	12	19.580	3.775
13609	10	20.155	3.619
13610	9	20.836	3.334
13611	15	21.714	3.765
13612	12	22.040	3.003
13613	13	24.275	3.180
13614	15	24.324	3.022
13615	23	24.974	3.580
13616	14	25.393	3.938
13617	13	25.531	3.004
13618	12	25.565	3.647
13619	25	0.055	4.254
13620	18	1.273	4.987
13621	23	1.969	4.614
13622	18	5.440	4.018
13623	17	5.862	4.546
13624	18	6.160	4.610
13625	22	6.199	4.896
13626	15	6.511	4.544
13627	13	7.227	4.978
13628	13	7.477	4.077
13629	19	7.620	4.223
13630	13	7.787	4.770

No.	d	x	y
13631	12	7.860	4.334
13632	14	8.681	4.000
13633	10	8.740	4.524
13634	17	9.646	4.817
13635	15	10.097	4.273
13636	11	10.829	4.413
13637	27	12.802	4.047
13638	16	13.109	4.277
13639	14	13.299	4.636
13640	12	13.644	4.794
13641	14	13.832	4.552
13642	15	14.395	4.799
13643	13	14.697	4.561
13644	10	15.210	4.456
13645	14	15.422	4.775
13646	13	15.972	4.282
13647	30	16.220	4.607
13648	10	17.040	4.665
13649	14	17.936	4.120
13650	12	18.926	4.592
13651	16	19.153	4.660
13652*	29	19.272	4.851
13653	13	19.777	4.782
13654	19	20.122	4.339
13655	10	21.296	4.335
13656	13	21.346	4.635
13657	10	21.564	4.182
13658	16	22.088	4.118
13659	12	23.404	4.974
13660	15	23.524	4.357
13661	14	24.205	4.260
13662	48	0.018	5.646
13663	15	3.424	5.472
13664	22	4.780	5.807
13665	14	4.855	5.362
13666	20	4.920	5.368
13667	17	5.231	5.258
13668	14	5.871	5.940
13669	13	6.290	5.719
13670	13	6.346	5.817
13671	15	6.496	5.414
13672*	31	6.502	5.258
13673	14	7.323	5.114
13674	13	7.546	5.781
13675	13	8.022	5.565
13676	14	8.082	5.029
13677	18	8.996	5.200
13678	15	9.325	5.030
13679	14	9.600	5.331
13680	20	11.290	5.595
13681	13	12.588	5.984
13682	13	12.660	5.606
13683	13	17.160	5.682
13684	13	17.354	5.566
13685	17	18.072	5.850
13686	24	18.193	5.326
13687	13	20.020	5.850
13688	10	20.491	5.907
13689	13	22.517	5.088
13690	26	23.022	5.386
13691	15	23.465	5.338
13692	15	25.474	5.842
13693	10	2.788	6.694
13694	30	3.826	6.198
13695	14	4.120	6.947
13696	20	6.955	6.609
13697	10	7.684	6.912
13698	13	8.745	6.460
13699	13	8.948	6.670
13700	23	10.480	6.244
13701	18	12.289	6.098
13702	18	12.807	6.738
13703	16	13.230	6.416
13704*	40	15.239	6.170

No.	d	x	y
13705	14	15.294	6.595
13706	16	15.927	6.150
13707	27	16.700	6.111
13708	19	16.760	6.098
13709	14	16.800	6.155
13710	16	16.905	6.734
13711*	52	17.626	6.694
13712	25	18.360	6.322
13713	13	18.608	6.816
13714	14	21.609	6.045
13715*	30	22.020	6.466
13716	12	22.090	6.413
13717	11	23.310	6.249
13718	15	25.581	6.544
13719*	50	1.932	7.094
13720	32	1.952	7.130
13721	13	3.821	7.071
13722	18	3.841	7.292
13723	15	3.903	7.230
13724*	32	6.620	7.399
13725	22	8.036	7.653
13726	20	8.741	7.807
13727*	32	10.555	7.214
13728	15	10.688	7.297
13729	14	11.717	7.246
13730	13	12.101	7.031
13731	16	12.218	7.750
13732	16	12.338	7.014
13733	15	12.416	7.951
13734	20	14.356	7.340
13735	14	15.066	7.327
13736	12	17.400	7.487
13737	11	17.426	7.405
13738	14	18.537	7.088
13739	17	19.111	7.853
13740	13	22.551	7.266
13741	10	22.659	7.783
13742	14	25.480	7.264
13743	10	25.644	7.193
13744	12	25.953	7.846
13745	32	0.897	8.732
13746	35	1.307	8.267
13747*	23	1.791	8.240
13748	14	2.156	8.704
13749	18	2.696	8.566
13750	16	3.629	8.853
13751	16	3.640	8.874
13752	16	6.157	8.263
13753	13	6.979	8.184
13754	12	7.126	8.651
13755	12	8.500	8.380
13756	18	8.830	8.017
13757	13	8.887	8.359
13758	10	9.118	8.118
13759*	30	10.465	8.098
13760	18	10.535	8.235
13761	15	11.169	8.836
13762	21	11.634	8.894
13763	20	12.971	8.505
13764	30	13.507	8.476
13765	13	13.855	8.760
13766	30	14.228	8.943
13767	14	14.484	8.442
13768	15	14.516	8.750
13769	10	15.799	8.401
13770*	31	16.634	8.796
13771	18	16.713	8.755
13772	16	17.736	8.424
13773*	32	17.768	8.540
13774	22	21.158	8.626
13775	13	21.746	8.555
13776	14	21.899	8.334
13777	13	22.499	8.441
13778	20	22.875	8.467

13779*	32	24·674	8·203	13853	12	23·596	10·844	13927	11	8·399	13·037	14001	14	12·514	15·424	14075	16	10·874	17·525
13780	17	24·760	8·520	13854	10	24·062	10·025	13928	14	10·579	13·158	14002	19	14·374	15·607	14076	15	13·392	17·510
13781	14	24·782	8·163	13855	29	25·250	10·556	13929	14	11·634	13·188	14003	20	16·836	15·390	14077	10	13·978	17·038
13782	14	25·057	8·406	13856	11	25·580	10·634	13930	17	12·205	13·705	14004	16	16·960	15·307	14078	13	14·471	17·976
13783	14	25·236	8·021	13857	42	0·714	11·464	13931	22	13·140	13·770	14005	14	17·592	15·032	14079	14	15·160	17·574
13784	18	25·409	8·702	13858	20	3·179	11·948	13932	20	13·614	13·848	14006	16	17·677	15·138	14080	11	15·309	17·736
13785	12	25·709	8·630	13859	14	3·944	11·182	13933	15	13·760	13·597	14007	10	18·351	15·404	14081	17	15·360	17·518
13786	50	0·000	9·618	13860	18	5·635	11·927	13934	22	15·500	13·648	14008*	27	18·423	15·494	14082	18	17·755	17·608
13787	16	2·755	9·639	13861	17	6·164	11·879	13935	13	21·510	13·755	14009	11	19·890	15·102	14083	17	19·233	17·332
13788	11	2·845	9·829	13862	20	6·453	11·953	13936	14	21·515	13·703	14010	17	20·644	15·430	14084	16	19·452	17·428
13789	19	3·083	9·194	13863	13	6·564	11·940	13937	18	22·636	13·840	14011	19	20·844	15·811	14085	14	19·750	17·960
13790	12	3·729	9·087	13864	12	8·933	11·671	13938	14	22·711	13·625	14012	16	21·555	15·416	14086	16	19·996	17·220
13791	13	3·924	9·657	13865	13	8·979	11·621	13939	14	22·775	13·487	14013	19	21·798	15·333	14087	14	20·161	17·891
13792	14	3·951	9·594	13866	22	10·551	11·431	13940	10	23·534	13·190	14014	23	22·860	15·845	14088	13	20·495	17·027
13793*	40	3·983	9·203	13867	20	11·254	11·268	13941	12	23·544	13·027	14015	17	24·292	15·906	14089	15	20·549	17·451
13794	13	6·237	9·249	13868	14	11·674	11·004	13942	19	24·179	13·985	14016	14	24·414	15·159	14090	12	21·027	17·504
13795	12	8·276	9·481	13869	16	13·624	11·570	13943	36	24·466	13·132	14017	20	24·710	15·421	14091	13	22·409	17·403
13796*	33	8·900	9·367	13870	16	13·958	11·369	13944	12	25·128	13·567	14018	19	24·955	15·766	14092	10	22·816	17·094
13797	14	9·255	9·612	13871	30	17·855	11·577	13945	20	1·955	14·200	14019*	27	25·433	15·799	14093	13	23·380	17·048
13798	14	9·694	9·890	13872	15	18·094	11·565	13946	16	2·486	14·693	14020	10	25·848	15·482	14094	13	24·520	17·023
13799*	41	11·094	9·710	13873	14	21·440	11·113	13947	18	3·054	14·193	14021	50	0·366	16·518	14095	21	25·094	17·794
13800	25	12·405	9·040	13874	20	21·944	11·614	13948	20	3·176	14·203	14022	17	0·995	16·376	14096	14	25·581	17·318
13801	17	13·868	9·385	13875	12	23·272	11·540	13949	24	3·704	14·334	14023	13	1·250	16·591	14097	40	0·745	18·771
13802	21	14·029	9·510	13876	14	23·724	11·967	13950	15	4·182	14·372	14024	18	2·160	16·975	14098	31	0·996	18·336
13803	16	14·485	9·142	13877	21	24·226	11·158	13951	21	5·014	14·817	14025	23	3·069	16·023	14099	31	1·074	18·637
13804	21	14·767	9·262	13878	13	24·394	11·727	13952	20	5·287	14·850	14026	11	3·975	16·791	14100	30	2·220	18·168
13805	13	14·795	9·062	13879	21	24·544	11·786	13953	10	5·340	14·250	14027	12	4·786	16·913	14101	22	2·661	18·522
13806	12	15·519	9·506	13880	13	24·632	11·049	13954	12	5·502	14·749	14028	28	5·116	16·816	14102	14	3·693	18·243
13807	15	16·574	9·798	13881	14	25·393	11·712	13955	18	5·886	14·378	14029	18	5·126	16·343	14103	14	4·164	18·176
13808	17	17·404	9·010	13882	16	25·420	11·515	13956	14	6·566	14·278	14030	10	6·425	16·041	14104	32	5·000	18·840
13809	16	18·158	9·700	13883	23	0·391	12·970	13957	12	7·929	14·364	14031	11	6·567	16·360	14105	15	5·180	18·324
13810	14	19·551	9·115	13884	12	1·603	12·480	13958	16	9·181	14·083	14032	15	6·931	16·514	14106	16	5·440	18·949
13811	12	19·762	9·779	13885	13	2·577	12·533	13959	21	10·387	14·640	14033	10	7·101	16·060	14107	15	5·553	18·286
13812	19	20·446	9·311	13886	12	2·988	12·912	13960	13	10·989	14·290	14034	13	7·202	16·562	14108	10	6·068	18·009
13813	13	20·932	9·942	13887	13	4·470	12·630	13961	15	11·710	14·736	14035	11	7·364	16·334	14109	20	6·741	18·614
13814*	40	21·058	9·356	13888	10	4·560	12·912	13962	16	11·962	14·988	14036	10	7·793	16·532	14110	10	6·790	18·522
13815	14	21·414	9·825	13889	16	5·626	12·775	13963	18	12·622	14·574	14037	11	8·116	16·530	14111	14	8·077	18·513
13816	14	21·453	9·616	13890	10	6·692	12·240	13964	22	13·170	14·649	14038	20	8·620	16·560	14112	14	8·223	18·581
13817	27	21·804	9·880	13891	31	6·955	12·913	13965	10	13·963	14·865	14039	15	8·718	16·853	14113	13	8·726	18·434
13818	12	21·850	9·380	13892	13	7·870	12·646	13966	12	14·342	14·880	14040	19	9·920	16·078	14114	12	8·909	18·615
13819	10	24·076	9·036	13893	14	9·548	12·677	13967	13	17·685	14·747	14041	22	10·126	16·984	14115	22	9·066	18·504
13820	12	25·212	9·396	13894	20	10·366	12·827	13968	31	18·043	14·709	14042*	33	10·205	16·840	14116	13	9·234	18·607
13821	11	25·515	9·330	13895*	53	11·024	12·184	13969	28	18·130	14·722	14043	18	14·078	16·501	14117	10	9·666	18·903
13822	23	25·790	9·774	13896	19	12·216	12·940	13970*	33	18·366	14·760	14044	18	14·666	16·094	14118	12	9·855	18·568
13823	31	0·074	10·784	13897	19	13·869	12·423	13971	20	20·600	14·120	14045	13	16·930	16·840	14119	17	10·258	18·180
13824	21	0·229	10·975	13898	17	14·082	12·173	13972	13	20·760	14·204	14046	19	17·389	16·821	14120	14	10·439	18·722
13825	22	1·891	10·017	13899	10	18·334	12·455	13973	15	21·609	14·005	14047	16	17·783	16·658	14121	19	11·816	18·784
13826	14	1·934	10·578	13900	13	18·917	12·053	13974	13	21·940	14·394	14048	11	18·472	16·796	14122*	34	13·181	18·147
13827	28	2·085	10·347	13901	17	19·760	12·194	13975	13	22·577	14·514	14049	13	22·509	16·166	14123	19	14·405	18·605
13828	19	2·152	10·750	13902	22	20·126	12·164	13976	12	23·324	14·480	14050	18	23·099	16·753	14124*	37	15·133	18·582
13829	18	2·206	10·722	13903	12	20·782	12·262	13977	13	23·487	14·061	14051	13	23·739	16·910	14125	17	16·766	18·832
13830	17	2·258	10·615	13904	13	20·827	12·618	13978	12	23·781	14·901	14052	21	0·091	17·000	14126	17	16·870	18·040
13831	23	2·573	10·563	13905	18	22·581	12·090	13979	12	24·197	14·547	14053	22	0·566	17·555	14127	15	17·170	18·141
13832	12	2·657	10·686	13906	10	22·764	12·209	13980	20	25·876	14·226	14054*	50	0·579	17·285	14128	13	17·684	18·374
13833	11	2·862	10·947	13907	13	24·967	12·755	13981	35	0·494	15·641	14055	16	1·098	17·786	14129	14	17·984	18·825
13834	13	3·131	10·550	13908	10	25·737	12·813	13982	32	0·613	15·217	14056	35	1·832	17·693	14130	9	18·441	18·648
13835	11	3·449	10·309	13909	14	25·911	12·193	13983	13	0·704	15·637	14057	18	3·371	17·057	14131	13	18·455	18·485
13836	13	3·680	10·187	13910	26	0·578	13·067	13984*	41	2·563	15·179	14058	14	3·785	17·974	14132	14	18·499	18·840
13837	14	3·867	10·408	13911	21	0·883	13·803	13985	13	3·100	15·785	14059	12	3·844	17·875	14133	16	18·656	18·212
13838	12	8·150	10·927	13912	12	1·319	13·660	13986	32	3·680	15·155	14060	17	4·348	17·902	14134	16	19·866	18·794
13839	20	9·676	10·395	13913	16	1·699	13·367	13987	24	4·084	15·355	14061	17	6·090	17·994	14135	11	21·124	18·284
13840	16	10·041	10·656	13914	20	1·944	13·600	13988	16	5·040	15·676	14062	18	6·596	17·603	14136	14	21·144	18·243
13841	15	10·814	10·685	13915	15	2·145	13·501	13989	13	5·713	15·419	14063	13	6·709	17·113	14137	10	22·261	18·983
13842	16	10·879	10·317	13916	18	2·415	13·330	13990	10	7·077	15·051	14064	14	6·994	17·163	14138	14	22·388	18·031
13843	18	12·375	10·258	13917	23	2·654	13·524	13991	12	7·780	15·905	14065	11	7·210	17·096	14139	10	22·408	18·879
13844	12	13·532	10·266	13918	15	3·077	13·891	13992	21	8·010	15·960	14066	12	7·570	17·213	14140	10	22·496	18·523
13845	20	14·374	10·127	13919	13	3·173	13·987	13993	24	8·486	15·116	14067	20	8·104	17·555	14141	12	23·584	18·686
13846	28	14·753	10·748	13920*	27	3·504	13·959	13994	14	8·513	15·829	14068	11	8·233	17·513	14142	20	24·864	18·301
13847	16	16·617	10·149	13921	10	6·198	13·498	13995	14	10·020	15·929	14069	13	8·346	17·959	14143	18	25·087	18·741
13848*	29	19·625	10·449	13922	14	7·336	13·092	13996	16	10·684	15·998	14070	14	8·391	17·826	14144	31	0·770	19·093
13849	14	20·758	10·210	13923	13	7·386	13·999	13997	19	10·818	15·704	14071	12	8·435	17·845	14145	22	1·055	19·727
13850	14	21·132	10·748	13924	10	7·408	13·884	13998	17	11·123	15·691	14072	13	9·427	17·760	14146	27	1·564	19·809
13851	11	21·466	10·020	13925	12	7·550	13·384	13999	19	11·591	15·653	14073	16	10·002	17·172	14147	26	1·590	19·933
13852	13	22·479	10·373	13926*	40	7·818	13·460	14000	15	12·062	15·806	14074	15	10·107	17·501	14148	43	1·917	19·714

14149	26	2·026	19·210
14150	22	2·366	19·636
14151*	41	3·906	19·051
14152	14	4·376	19·647
14153	18	4·919	19·562
14154	13	5·769	19·982
14155	22	6·007	19·080
14156	10	6·437	19·521
14157	15	6·843	19·574
14158	20	7·840	19·660
14159	10	8·134	19·120
14160	17	8·286	19·577
14161	22	10·040	19·401
14162	13	10·260	19·681
14163	11	10·502	19·374
14164	27	11·300	19·555
14165	17	11·637	19·962
14166	14	13·595	19·357
14167	20	15·544	19·425
14168	21	16·156	19·395
14169	15	16·942	19·636
14170	18	17·620	19·424
14171	13	17·684	19·963
14172	14	18·194	19·549
14173	13	21·180	19·987
14174	10	21·380	19·013
14175	11	23·514	19·459
14176	15	23·654	19·553
14177	14	23·780	19·839
14178	20	23·986	19·525
14179	27	1·240	20·361
14180	22	2·038	20·183
14181	21	2·353	20·996
14182	22	3·555	20·972
14183	16	4·582	20·865
14184	13	4·658	20·571
14185	15	6·318	20·032
14186	16	6·386	20·748
14187	13	6·660	20·515
14188	13	7·136	20·655
14189	17	7·440	20·737
14190	15	7·471	20·946
14191	12	8·065	20·591
14192	14	8·334	20·574
14193	15	8·412	20·030
14194	21	8·433	20·435
14195	12	8·485	20·441
14196	20	8·729	20·664
14197*	31	9·167	20·117
14198	24	9·864	20·972
14199	13	11·322	20·437
14200	14	11·364	20·787
14201	11	11·389	20·089
14202	13	11·644	20·002
14203	13	11·686	20·047
14204	13	11·750	20·081
14205	12	12·150	20·984
14206	24	13·271	20·684
14207	14	13·506	20·372
14208	13	13·804	20·122
14209	12	14·380	20·200
14210	13	14·661	20·995
14211	14	14·677	20·423
14212	10	14·911	20·395
14213	16	15·117	20·330
14214	22	15·120	20·150
14215	14	15·630	20·445
14216	15	15·845	20·892
14217	10	15·864	20·581
14218	13	16·094	20·570
14219	18	18·396	20·403
14220	17	18·630	20·527
14221	14	19·760	20·410
14222	10	20·040	20·697

14223	19	20·850	20·515
14224	10	21·591	20·647
14225	16	22·065	20·365
14226	14	22·551	20·940
14227	15	22·586	20·911
14228	14	24·061	20·472
14229	18	24·161	20·101
14230	14	25·250	20·827
14231	22	1·584	21·655
14232	22	1·961	21·569
14233	20	2·204	21·711
14234	13	3·906	21·181
14235	14	4·055	21·042
14236	18	4·953	21·092
14237	14	5·168	21·394
14238	21	5·340	21·488
14239	19	5·440	21·867
14240	13	5·441	21·690
14241	18	5·666	21·950
14242	23	5·680	21·964
14243	14	5·735	21·893
14244	24	5·866	21·760
14245	20	5·881	21·561
14246	15	6·030	21·882
14247	14	6·333	21·334
14248	13	6·418	21·568
14249	25	8·440	21·545
14250	18	8·856	21·450
14251	11	9·294	21·283
14252	12	9·766	21·805
14253	14	9·766	21·070
14254	17	10·574	21·628
14255	10	11·717	21·803
14256	13	12·994	21·484
14257	13	13·979	21·861
14258	20	14·395	21·330
14259	24	14·403	21·539
14260	12	16·490	21·780
14261	14	17·017	21·850
14262	12	17·991	21·290
14263	13	18·200	21·290
14264	10	18·510	21·381
14265*	61	19·280	21·262
14266	11	20·696	21·811
14267	15	21·895	21·257
14268	13	22·136	21·160
14269	14	22·396	21·387
14270	22	22·433	21·378
14271	28	24·770	21·285
14272	14	25·634	21·474
14273	40	25·664	21·131
14274	17	25·690	21·353
14275	32	2·442	22·764
14276	50	2·500	22·263
14277	17	3·931	22·153
14278*	41	4·371	22·688
14279	22	5·960	22·664
14280	17	6·029	22·560
14281*	55	6·360	22·101
14282	17	6·629	22·263
14283	13	6·933	22·709
14284	13	7·774	22·308
14285	12	7·857	22·301
14286	14	9·069	22·395
14287	14	9·492	22·649
14288	17	9·864	22·191
14289	11	10·338	22·841
14290	15	10·426	22·207
14291	21	10·640	22·912
14292	16	10·761	22·817
14293	14	11·040	22·499
14294	12	12·040	22·988
14295	20	12·596	22·742
14296	14	12·745	22·810

14297	14	12·876	22·766
14298	23	12·951	22·155
14299	10	12·977	22·031
14300	12	14·780	22·194
14301	12	15·778	22·281
14302	10	15·806	22·136
14303	14	18·308	22·578
14304	11	18·808	22·543
14305	24	19·060	22·164
14306	19	20·124	22·124
14307	20	20·591	22·150
14308	13	21·574	22·456
14309	15	24·080	22·122
14310	20	25·080	22·891
14311	33	25·246	22·406
14312	13	25·662	22·266
14313	21	3·911	23·331
14314	30	3·955	23·260
14315	21	4·438	23·482
14316	19	4·858	23·949
14317	25	5·330	23·360
14318	23	6·208	23·175
14319	21	6·898	23·047
14320	24	7·229	23·770
14321	15	7·758	23·651
14322	22	7·982	23·137
14323	14	8·014	23·439
14324	18	8·386	23·787
14325	23	8·478	23·966
14326	9	9·935	23·414
14327	14	10·384	23·599
14328	11	11·028	23·502
14329	12	12·239	23·555
14330	13	12·346	23·821
14331	14	13·519	23·397
14332	22	13·535	23·750
14333	13	14·793	23·107
14334	14	16·040	23·055
14335	10	16·252	23·712
14336	19	16·390	23·222
14337	13	16·904	23·093
14338	15	17·012	23·278
14339	13	17·606	23·484
14340	14	17·670	23·360
14341	10	17·767	23·247
14342	14	17·943	23·362
14343	14	18·184	23·720
14344	19	18·336	23·770
14345	12	19·596	23·097
14346	16	20·488	23·938
14347	16	20·533	23·054
14348	23	21·601	23·237
14349	13	22·100	23·455
14350	11	22·315	23·843
14351	12	23·824	23·223
14352	16	25·364	23·315
14353	21	25·683	23·910
14354*	53	0·774	24·549
14355	30	0·845	24·123
14356	30	2·145	24·951
14357	43	3·070	24·360
14358	29	3·524	24·710
14359	18	3·944	24·477
14360	19	4·688	24·480
14361	20	5·141	24·066
14362	32	5·159	24·828
14363	16	5·894	24·724
14364	14	7·336	24·726
14365	24	7·450	24·678
14366	19	7·472	24·373
14367	14	8·023	24·566
14368	15	8·486	24·298
14369	19	9·240	24·777
14370	14	9·499	24·039

14371	23	10·350	24·413
14372	17	11·232	24·717
14373	13	12·379	24·022
14374	11	15·324	24·210
14375	13	16·721	24·090
14376	18	16·927	24·185
14377	13	17·726	24·266
14378	14	18·365	24·063
14379	12	18·694	24·263
14380	12	19·061	24·153
14381	23	19·472	24·370
14382	23	20·056	24·810
14383	14	20·783	24·310
14384	14	21·742	24·709
14385	14	22·030	24·309
14386	20	23·748	24·283
14387	20	24·266	24·903
14388	18	24·778	24·381
14389	28	5·034	25·720
14390	14	6·317	25·869
14391	28	6·340	25·199
14392	16	7·515	25·159
14393	19	8·155	25·897
14394	19	8·530	25·059
14395	14	9·391	25·362
14396	21	9·600	25·393
14397	11	11·715	25·253
14398	20	12·976	25·866
14399	14	13·685	25·027
14400	13	13·780	25·153
14401	14	13·948	25·722
14402	11	14·805	25·340
14403	22	15·936	25·035
14404	12	17·966	25·266
14405	14	18·772	25·746
14406	16	19·165	25·378
14407	12	19·524	25·445
14408*	40	23·247	25·855
14409*	23	24·081	25·312
14410	23	25·826	25·096

R. A. 5h 55m

Plate 2312; 1903 Oct. 30.

Provisional Constants.

A	B	C
−·00081	−·00019	+·0815
D	E	F
+·00079	−·00076	+·0356

Mag. = 16·5 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
14501	13	0·133	0·447
14502	36	0·282	0·821
14503	13	5·132	0·481
14504	21	5·625	0·675
14505*	52	6·644	0·748
14506	11	7·323	0·822
14507	10	7·976	0·677
14508	21	9·084	0·844
14509	11	9·637	0·632
14510	11	10·036	0·337
14511	21	10·565	0·960
14512	11	10·683	0·970

14513	10	10·981	0·804
14514	22	14·836	0·173
14515*	22	15·018	0·997
14516	12	18·291	0·785
14517	10	18·813	0·640
14518	22	19·673	0·554
14519	11	19·764	0·256
14520	13	22·729	0·970
14521	23	24·127	0·081
14522	13	25·505	0·971
14523	22	1·090	1·245
14524	18	3·820	1·856
14525	13	5·351	1·339
14526*	22	6·557	1·785
14527	13	6·870	1·140
14528	17	7·871	1·563
14529	11	8·388	1·493
14530*	36	8·410	1·014
14531	11	9·440	1·849
14532	10	9·619	1·644
14533	21	9·966	1·134
14534*	24	11·021	1·979
14535	12	11·291	1·221
14536	12	11·761	1·489
14537*	13	12·884	1·215
14538	11	12·903	1·366
14539	12	13·415	1·145
14540	10	13·546	1·666
14541	11	13·976	1·802
14542	10	14·490	1·736
14543	13	14·915	1·288
14544	10	16·340	1·788
14545	11	16·696	1·812
14546	11	21·975	1·410
14547	13	22·702	1·103
14548	12	22·934	1·396
14549	11	24·510	1·942
14550*	32	25·517	1·960
14551	22	1·592	2·545
14552	11	2·561	2·534
14553	12	3·044	2·837
14554	14	3·290	2·115
14555	13	3·435	2·719
14556	13	4·899	2·433
14557	15	5·113	2·311
14558	13	6·817	2·332
14559	10	7·216	2·090
14560	11	9·671	2·848
14561	15	10·035	2·564
14562	12	10·082	2·227
14563	13	12·097	2·030
14564	14	13·687	2·712
14565	13	14·466	2·775
14566*	32	14·497	2·675
14567	11	14·645	2·817
14568	13	14·809	2·261
14569*	28	16·402	2·651
14570	13	16·501	2·566
14571	11	16·608	2·097
14572	18	16·644	2·337
14573	13	17·119	2·220
14574	10	19·367	2·739
14575	11	19·932	2·085
14576	13	22·847	2·538
14577	12	23·961	2·852
14578	21	24·232	2·235
14579	11	24·774	2·496
14580	21	1·847	3·599
14581	11	2·271	3·951
14582	12	2·389	3·015
14583	12	3·125	3·345
14584	11	5·670	3·498
14585*	38	5·744	3·415
14586	12	8·727	3·611

14587*	31	9·187	3·185	14661	13	21·380	6·360	14735	11	9·613	9·202	14809	13	9·740	12·562	14883	11	2·933	15·482
14588	10	9·610	3·644	14662	12	2·417	7·272	14736	12	11·119	9·395	14810	12	12·915	12·725	14884	12	4·771	15·150
14589	11	10·750	3·161	14663	22	3·290	7·161	14737	11	13·791	9·941	14811	12	14·464	12·502	14885	13	4·957	15·162
14590	22	11·611	3·745	14664	13	4·701	7·385	14738	20	13·833	9·143	14812*	28	15·780	12·104	14886	12	6·960	15·482
14591	15	11·720	3·413	14665	22	4·865	7·281	14739	12	17·688	9·866	14813	13	16·110	12·000	14887	12	7·337	15·653
14592	12	12·634	3·664	14666	11	4·885	7·693	14740	13	17·994	9·859	14814	13	18·488	12·776	14888	12	9·109	15·213
14593*	27	14·200	3·718	14667	22	5·140	7·294	14741	15	18·717	9·790	14815	20	19·721	12·634	14889	22	10·323	15·196
14594	21	14·579	3·962	14668	11	5·397	7·279	14742	15	18·911	9·290	14816	11	21·334	12·759	14890	13	12·104	15·811
14595	11	15·497	3·335	14669	12	6·075	7·833	14743	11	20·525	9·258	14817	13	21·449	12·913	14891	13	12·974	15·500
14596	13	16·813	3·587	14670	10	6·350	7·450	14744	11	21·466	9·226	14818	12	21·775	12·601	14892	12	15·333	15·718
14597	12	17·057	3·965	14671	21	6·610	7·058	14745	11	21·546	9·409	14819	31	21·996	12·561	14893	13	15·671	15·324
14598	10	18·306	3·556	14672	13	7·008	7·947	14746	13	0·226	10·005	14820	12	22·062	12·432	14894	11	16·650	15·360
14599	11	18·921	3·385	14673	10	7·523	7·137	14747	25	2·247	10·573	14821	22	22·332	12·214	14895	23	17·466	15·919
14600	22	19·344	3·116	14674	11	7·754	7·513	14748	12	2·575	10·642	14822	10	22·852	12·056	14896	22	19·139	15·128
14601	12	19·579	3·747	14675	16	7·816	7·154	14749	11	3·381	10·494	14823	10	0·576	13·228	14897	22	19·565	15·518
14602	32	21·177	3·979	14676	10	7·967	7·158	14750	10	4·779	10·862	14824	13	0·585	13·067	14898	13	19·824	15·309
14603*	41	21·236	3·932	14677	13	10·250	7·770	14751	14	5·283	10·415	14825	32	1·509	13·157	14899	12	0·845	16·949
14604	23	24·415	3·767	14678	13	10·599	7·077	14752	10	6·491	10·623	14826	12	2·179	13·582	14900	12	8·031	16·036
14605	10	24·714	3·760	14679	10	10·963	7·564	14753	22	6·801	10·591	14827	12	3·225	13·438	14901	10	9·372	16·204
14606	13	24·880	3·684	14680	12	11·333	7·264	14754	13	7·247	10·217	14828	11	3·920	13·793	14902	23	11·976	16·724
14607	11	1·089	4·292	14681	11	12·373	7·663	14755	13	8·855	10·870	14829	13	4·061	13·218	14903	12	13·209	16·896
14608	22	3·916	4·295	14682*	32	12·697	7·211	14756	12	10·511	10·882	14830	13	4·388	13·089	14904*	41	14·000	16·923
14609	21	4·359	4·055	14683	21	14·807	7·899	14757	23	11·466	10·070	14831	12	4·457	13·327	14905	10	16·863	16·910
14610	13	5·280	4·630	14684	11	15·543	7·178	14758	13	17·823	10·727	14832	11	5·085	13·101	14906	23	17·111	16·095
14611	10	6·697	4·639	14685	22	16·994	7·887	14759	10	19·456	10·799	14833	13	5·590	13·068	14907	12	18·957	16·205
14612	11	7·551	4·836	14686	13	17·200	7·189	14760	11	21·669	10·819	14834	13	5·750	13·220	14908	12	19·035	16·068
14613	12	8·512	4·246	14687	23	17·227	7·264	14761	15	22·620	10·421	14835	12	5·769	13·722	14909	21	19·354	16·311
14614	18	9·074	4·169	14688	15	18·822	7·914	14762	30	22·886	10·313	14836	18	6·477	13·580	14910	22	19·400	16·025
14615	13	9·130	4·218	14689	30	18·884	7·626	14763	23	24·039	10·175	14837	10	6·519	13·507	14911	13	20·283	16·382
14616	22	11·730	4·436	14690	22	19·311	7·038	14764*	40	25·644	10·546	14838*	32	6·872	13·291	14912	12	20·955	16·537
14617	14	11·783	4·044	14691	10	19·626	7·158	14765	13	25·785	10·067	14839	10	7·191	13·940	14913	13	1·630	17·046
14618	21	12·700	4·439	14692	10	21·077	7·080	14766	17	1·233	11·189	14840*	42	7·737	13·782	14914	19	2·217	17·809
14619	12	12·944	4·953	14693	22	21·149	7·176	14767	13	1·561	11·810	14841	10	9·781	13·930	14915	11	2·694	17·323
14620	11	14·449	4·192	14694	10	21·966	7·237	14768	12	2·433	11·526	14842	14	11·430	13·989	14916	13	3·275	17·211
14621	19	14·588	4·197	14695	13	22·247	7·207	14769	13	3·820	11·257	14843	12	12·095	13·994	14917	10	3·489	17·654
14622	13	14·944	4·569	14696*	34	1·625	8·227	14770	13	4·176	11·062	14844*	65	12·321	13·390	14918	10	5·764	17·200
14623	10	16·457	4·278	14697	13	1·722	8·542	14771	10	4·965	11·445	14845	24	16·344	13·574	14919	11	8·265	17·141
14624	13	16·545	4·009	14698	11	2·011	8·423	14772	13	7·066	11·888	14846	13	17·141	13·361	14920	17	8·421	17·622
14625	13	16·602	4·351	14699	14	2·185	8·033	14773	13	7·231	11·539	14847*	41	17·290	13·673	14921	22	11·010	17·890
14626	10	17·148	4·470	14700	15	2·373	8·713	14774	12	7·905	11·255	14848	22	17·339	13·230	14922	11	11·873	17·617
14627	14	17·341	4·215	14701	13	2·670	8·637	14775	10	9·091	11·058	14849	12	17·406	13·689	14923	11	13·200	17·280
14628	10	18·259	4·551	14702	13	3·651	8·550	14776	12	11·090	11·673	14850	10	19·550	13·049	14924	12	14·401	17·554
14629	10	19·472	4·740	14703	22	3·810	8·419	14777	16	11·186	11·160	14851	10	19·985	13·357	14925	11	14·754	17·350
14630	14	19·690	4·171	14704	21	3·939	8·282	14778	22	11·628	11·667	14852	22	20·756	13·245	14926	11	14·916	17·900
14631	13	22·651	4·437	14705	19	5·800	8·115	14779*	37	12·394	11·042	14853*	24	21·180	13·705	14927	13	15·064	17·971
14632*	25	22·750	4·288	14706	13	5·977	8·800	14780	12	13·283	11·574	14854	12	22·903	13·269	14928	22	15·095	17·696
14633	22	5·080	5·918	14707	11	7·005	8·479	14781	11	13·540	11·312	14855	10	23·385	13·586	14929*	58	17·900	17·728
14634	13	9·014	5·452	14708	13	8·552	8·367	14782	12	16·258	11·089	14856	22	24·074	13·598	14930	15	18·097	17·525
14635	10	9·509	5·121	14709	10	8·650	8·476	14783	22	17·109	11·800	14857	15	24·493	13·494	14931*	26	19·257	17·014
14636	14	10·825	5·250	14710	11	9·344	8·298	14784	12	21·065	11·320	14858	13	0·388	14·525	14932	11	20·038	17·991
14637	22	12·598	5·535	14711	22	9·532	8·461	14785	10	22·842	11·526	14859	18	1·235	14·016	14933	14	21·765	17·167
14638	11	12·670	5·237	14712	11	9·675	8·531	14786	13	23·130	11·323	14860	12	1·286	14·237	14934	11	22·535	17·450
14639	12	13·083	5·400	14713	21	9·767	8·418	14787	10	23·605	11·224	14861	23	2·937	14·225	14935	12	24·579	17·122
14640	13	13·545	5·130	14714	13	10·811	8·613	14788	11	23·915	11·279	14862	18	3·418	14·621	14936	11	0·724	18·730
14641	17	13·571	5·311	14715	13	12·225	8·540	14789	16	24·174	11·764	14863	10	5·365	14·245	14937	15	1·996	18·321
14642	11	14·254	5·385	14716	15	12·367	8·567	14790	10	24·567	11·680	14864	12	5·393	14·531	14938	12	2·224	18·757
14643	17	14·573	5·396	14717	32	12·557	8·058	14791	11	24·606	11·370	14865	11	6·385	14·765	14939	19	3·685	18·354
14644*	27	16·777	5·214	14718	22	12·955	8·537	14792*	25	25·640	11·569	14866	11	6·499	14·074	14940	18	3·718	18·536
14645	13	19·532	5·768	14719	13	13·847	8·639	14793	10	0·742	12·003	14867	22	6·967	14·231	14941	12	3·837	18·444
14646	12	21·600	5·882	14720	10	14·162	8·392	14794	10	2·000	12·774	14868	11	7·824	14·880	14942	22	4·265	18·298
14647	13	25·430	5·650	14721	13	15·179	8·232	14795	12	2·936	12·194	14869	12	8·495	14·038	14943	12	4·562	18·060
14648	13	2·505	6·551	14722	10	16·727	8·150	14796	13	4·309	12·574	14870	10	11·716	14·062	14944	14	5·157	18·236
14649	11	3·036	6·096	14723	11	17·599	8·071	14797	10	4·595	12·710	14871	13	12·977	14·004	14945	10	7·575	18·061
14650	22	3·947	6·381	14724	11	17·915	8·669	14798	22	4·839	12·754	14872	13	14·861	14·819	14946*	25	10·146	18·211
14651	10	6·486	6·930	14725	13	18·005	8·522	14799	11	5·185	12·629	14873	13	20·644	14·383	14947	18	11·274	18·314
14652	13	6·682	6·485	14726	14	18·428	8·311	14800	13	5·569	12·251	14874	12	20·734	14·773	14948	15	11·845	18·037
14653	11	8·675	6·034	14727	10	20·342	8·561	14801	12	5·781	12·765	14875	10	21·081	14·724	14949	9	11·884	18·075
14654	11	12·481	6·819	14728	22	21·368	8·363	14802	13	6·096	12·389	14876	11	21·938	14·598	14950	10	12·500	18·480
14655	11	13·082	6·480	14729	23	24·705	8·367	14803	12	6·653	12·920	14877	23	25·147	14·545	14951	22	13·239	18·281
14656	10	13·142	6·000	14730	10	1·045	9·069	14804	10	6·986	12·330	14878	12	1·384	15·933	14952	13	14·907	18·244
14657	10	14·744	6·446	14731	23	2·773	9·779	14805	23	7·554	12·656	14879	12	1·490	15·187	14953	10	16·330	18·008
14658	13	18·985	6·825	14732	13	3·341	9·297	14806	10	8·177	12·389	14880	15	1·793	15·442	14954	21	16·354	18·061
14659	12	20·551	6·092	14733	12	6·534	9·858	14807	22	8·855	12·343	14881	12	2·040	15·782	14955	22	17·300	18·264
14660	11	20·750	6·938	14734	13	8·426	9·369	14808	32	9·461	12·101	14882*	25	2·519	15·805	14956	13	17·363	18·971

No.	d	x	y
14957	13	17·386	18·439
14958	25	17·945	18·490
14959	13	18·041	18·664
14960	10	19·498	18·256
14961	11	19·702	18·929
14962	10	21·745	18·662
14963	10	22·081	18·257
14964	22	23·115	18·442
14965	15	24·634	18·818
14966	12	24·678	18·662
14967*	35	25·566	18·166
14968	12	0·942	19·878
14969	18	1·137	19·559
14970	12	5·760	19·216
14971	13	6·080	19·414
14972	12	8·284	19·029
14973	13	8·373	19·507
14974	10	11·838	19·761
14975	13	11·901	19·389
14976	13	12·410	19·416
14977*	38	12·447	19·470
14978	13	12·621	19·379
14979	15	13·770	19·796
14980	13	13·874	19·574
14981	22	15·247	19·289
14982	21	16·925	19·251
14983	22	17·401	19·200
14984	10	17·430	19·724
14985	13	18·209	19·661
14986	12	19·051	19·544
14987	13	20·035	19·895
14988	19	20·101	19·068
14989	11	20·499	19·677
14990	9	21·940	19·829
14991	12	22·069	19·055
14992	12	23·615	19·186
14993	12	23·720	19·225
14994	10	23·885	19·424
14995	13	24·666	19·809
14996	10	24·850	19·136
14997	13	1·324	20·131
14998	12	2·425	20·838
14999	13	3·515	20·914
15000	17	3·644	20·403
15001	13	3·701	20·892
15002	11	4·109	20·170
15003*	25	4·407	20·313
15004	12	5·001	20·152
15005	12	5·281	20·232
15006	10	5·310	20·864
15007	10	9·495	20·570
15008	12	14·900	20·668
15009	12	15·217	20·959
15010	32	17·125	20·310
15011	14	17·976	20·788
15012	14	18·635	20·404
15013*	37	19·536	20·664
15014	13	19·562	20·638
15015	12	19·622	20·409
15016	22	19·957	20·134
15017	13	20·005	20·589
15018	11	20·484	20·250
15019	10	20·884	20·522
15020	11	21·830	20·043
15021*	32	24·232	20·957
15022	18	24·377	20·777
15023	12	1·955	21·306
15024	12	2·824	21·479
15025	30	2·844	21·134
15026	13	2·877	21·255
15027	10	4·035	21·221
15028	20	4·050	21·427
15029	13	6·379	21·418
15030	12	6·383	21·324

No.	d	x	y
15031	12	6·727	21·383
15032	13	7·203	21·330
15033	12	7·861	21·579
15034	13	10·772	21·757
15035	10	13·116	21·881
15036	12	14·233	21·168
15037	10	15·285	21·556
15038	13	15·452	21·927
15039	22	16·104	21·164
15040	13	17·147	21·971
15041	22	17·315	21·911
15042	13	17·889	21·219
15043	13	18·027	21·320
15044	12	18·249	21·968
15045	13	21·000	21·742
15046	22	21·179	21·337
15047	10	24·141	21·011
15048	13	24·331	21·849
15049	16	2·295	22·906
15050	28	2·450	22·415
15051	12	2·865	22·268
15052	13	4·398	22·142
15053	12	4·661	22·089
15054	13	4·873	22·228
15055	18	9·862	22·723
15056	17	12·888	22·594
15057	12	14·224	22·617
15058	13	19·181	22·385
15059	22	20·466	22·260
15060	22	23·269	22·723
15061	12	24·585	22·433
15062	20	2·915	23·911
15063	17	3·519	23·829
15064	12	4·161	23·188
15065	31	4·609	23·440
15066	21	4·918	23·080
15067	12	6·077	23·484
15068	13	7·657	23·289
15069	13	9·572	23·509
15070	11	10·129	23·328
15071	13	13·600	23·062
15072	10	14·115	23·491
15073	12	14·344	23·811
15074	20	16·010	23·005
15075	12	16·281	23·765
15076	10	18·288	23·311
15077	11	18·943	23·010
15078	12	20·049	23·951
15079	13	21·259	23·108
15080	11	22·054	23·313
15081	16	22·451	23·001
15082	23	23·494	23·425
15083	13	24·204	23·868
15084	11	25·618	23·355
15085	12	25·788	23·285
15086	12	0·987	24·320
15087	13	4·199	24·194
15088	22	5·764	24·122
15089	13	7·065	24·259
15090	13	9·416	24·930
15091	12	9·624	24·936
15092*	42	10·057	24·240
15093	11	10·313	24·850
15094	10	10·434	24·288
15095	12	11·185	24·461
15096*	43	11·462	24·505
15097	31	12·875	24·015
15098	10	14·115	24·039
15099	11	14·200	24·330
15100	13	16·848	24·515
15101	12	17·114	24·214
15102	10	17·259	24·416
15103	13	18·980	24·480
15104	12	19·828	24·771

No.	d	x	y
15105	10	20·678	24·346
15106	13	23·875	24·189
15107	22	24·134	24·560
15108*	42	24·415	24·595
15109	11	25·366	24·192
15110*	52	0·513	25·899
15111*	32	1·337	25·345
15112	22	3·075	25·096
15113	28	4·467	25·818
15114	12	5·707	25·172
15115	22	6·774	25·681
15116	13	7·939	25·288
15117	13	8·382	25·420
15118	19	10·216	25·817
15119	13	11·350	25·601
15120	22	16·939	25·201
15121	11	17·207	25·294
15122	32	17·595	25·599
15123	22	19·762	25·179
15124	13	19·868	25·576
15125	13	20·539	25·839
15126	13	21·434	25·373
15127	10	23·293	25·454
15128	23	23·942	25·023
15129*	61	25·142	25·159

R. A. 6h 4m

Plate 2313; 1903 Oct. 30.

Provisional Constants.

A	B	C
−·00085	−·00003	−·7044
D	**E**	**F**
+·00018	−·00063	+·0164

Mag. = 17·7 − 1·36 $\sqrt{d}$

No.	d	x	y
15201	21	2·666	0·585
15202	17	5·314	0·226
15203	16	7·754	0·974
15204	21	8·125	0·092
15205	15	9·844	0·303
15206	17	10·015	0·972
15207	17	12·260	0·698
15208	13	12·614	0·072
15209	25	13·292	0·155
15210*	33	14·400	0·072
15211*	27	16·530	0·425
15212	12	17·235	0·776
15213*	30	17·848	0·107
15214	30	24·770	0·000
15215*	55	1·376	1·908
15216	33	3·704	1·988
15217	27	4·563	1·324
15218*	23	6·451	1·323
15219	12	7·411	1·320
15220*	33	9·199	1·551
15221	14	9·804	1·090
15222	14	10·495	1·347
15223	14	10·696	1·321
15224	10	11·545	1·765
15225	10	11·625	1·360
15226*	40	11·715	1·573

No.	d	x	y
15227	13	12·055	1·695
15228	17	14·309	1·360
15229	15	14·686	1·820
15230	10	14·886	1·067
15231	20	16·569	1·159
15232	13	20·870	1·694
15233	22	22·349	1·505
15234	34	25·727	1·888
15235	30	25·742	1·166
15236	32	0·097	2·207
15237*	32	5·527	2·453
15238	13	7·214	2·464
15239	14	7·277	2·806
15240	18	7·966	2·535
15241	13	8·838	2·986
15242	20	9·464	2·075
15243	10	13·154	2·524
15244	14	14·572	2·420
15245	22	14·786	2·617
15246	19	15·220	2·640
15247	23	15·628	2·160
15248	21	16·560	2·877
15249	21	16·886	2·790
15250	18	19·200	2·869
15251	12	21·510	2·377
15252	21	22·584	2·933
15253	13	24·630	2·977
15254	55	0·313	3·738
15255	23	0·780	3·644
15256	24	3·460	3·772
15257	38	4·534	3·641
15258	12	8·570	3·270
15259	18	11·285	3·406
15260	17	12·473	3·300
15261	19	16·986	3·844
15262	20	2·783	4·692
15263	23	4·903	4·360
15264	23	5·230	4·482
15265*	40	6·756	4·193
15266	14	7·510	4·674
15267	30	8·321	4·096
15268	14	8·542	4·055
15269	15	9·079	4·725
15270	32	9·528	4·569
15271	14	10·735	4·455
15272*	41	12·320	4·862
15273	12	16·172	4·082
15274	28	16·325	4·303
15275	33	17·009	4·446
15276	23	18·245	4·945
15277	22	18·300	4·622
15278	17	19·131	4·503
15279	24	21·980	4·233
15280	18	22·426	4·025
15281	14	24·585	4·326
15282	13	24·588	4·376
15283	12	25·828	4·505
15284	12	1·363	5·595
15285	13	4·158	5·107
15286	15	4·943	5·235
15287	15	5·451	5·085
15288	30	7·505	5·940
15289	13	7·716	5·351
15290	20	8·941	5·890
15291	18	10·677	5·551
15292	28	13·220	5·749
15293	14	17·026	5·637
15294*	40	17·611	5·093
15295	14	18·233	5·850
15296	19	19·055	5·191
15297	18	4·584	6·808
15298	18	5·124	6·750
15299	26	5·200	6·206
15300*	48	11·897	6·340

No.	d	x	y
15301	14	12·484	6·003
15302	14	2·337	7·897
15303	12	2·745	7·288
15304	15	3·962	7·217
15305	14	4·635	7·167
15306	20	5·945	7·000
15307	13	6·029	7·200
15308	32	6·324	7·446
15309	24	6·415	7·963
15310	22	6·665	7·790
15311	19	7·893	7·609
15312	14	8·321	7·789
15313*	50	8·944	7·385
15314	22	9·344	7·475
15315	12	9·892	7·809
15316	12	9·967	7·631
15317	30	10·035	7·008
15318	14	10·490	7·898
15319	17	11·210	7·930
15320*	50	11·770	7·833
15321	11	15·806	7·516
15322*	45	17·655	7·615
15323	14	20·887	7·370
15324	10	23·308	7·160
15325	44	0·696	8·330
15326	22	5·540	8·965
15327	10	5·977	8·930
15328*	34	6·803	8·111
15329*	45	7·306	8·065
15330	14	9·212	8·921
15331	14	9·217	8·339
15332	15	9·664	8·106
15333	23	10·077	8·803
15334	15	10·106	8.396
15335	13	12·786	8·163
15336	14	15·355	8·017
15337	18	15·360	8·783
15338	25	15·876	8·051
15339	15	16·235	8·742
15340	21	19·311	8·515
15341	31	23·824	8·042
15342	14	23·931	8·310
15343	16	25·644	8·298
15344	18	2·052	9·722
15345	21	2·734	9·592
15346*	40	5·262	9·404
15347	16	9·110	9·647
15348	12	9·598	9·530
15349	14	10·966	9·807
15350	20	11·830	9·295
15351	23	12·074	9·116
15352*	55	14·561	9·337
15353*	53	14·625	9·545
15354	12	15·266	9·814
15355	23	15·879	9·726
15356	33	19·566	9·575
15357	20	20·678	9·555
15358	10	23·790	9·564
15359	10	24·386	9·470
15360	45	0·065	10·150
15361*	63	1·680	10·489
15362	14	1·807	10·003
15363	15	2·155	10·384
15364	17	3·830	10·158
15365	12	6·460	10·352
15366	20	6·579	10·077
15367	16	7·699	10·239
15368	30	8·113	10·678
15369	12	9·476	10·865
15370	15	10·869	10·479
15371	26	15·345	10·250
15372*	60	17·824	10·655
15373	22	18·460	10·117
15374	15	18·493	10·154

15375	10	21·805	10·807
15376	25	21·916	10·593
15377*	40	22·697	10·792
15378	16	22·783	10·827
15379	43	0·233	11·736
15380*	44	1·694	11·512
15381	13	6·130	11·346
15382	20	7·441	11·133
15383	22	10·936	11·510
15384	23	11·632	11·262
15385	10	13·142	11·585
15386	28	14·004	11·307
15387	22	16·255	11·341
15388	13	18·940	11·700
15389	23	21·264	11·881
15390	10	22·207	11·017
15391	15	22·460	11·391
15392	20	22·633	11·457
15393	29	23·300	11·124
15394	14	23·365	11·911
15395	10	23·393	11·949
15396	21	23·928	11·072
15397	21	4·094	12·936
15398	10	7·492	12·037
15399*	43	12·790	12·716
15400	20	15·540	12·664
15401	20	18·860	12·843
15402	18	20·210	12·463
15403	11	21·787	12·596
15404	21	22·239	12·291
15405*	40	23·492	12·810
15406	33	23·987	12·042
15407	41	0·173	13·571
15408	31	0·588	13·455
15409	13	3·160	13·773
15410	13	3·634	13·902
15411	22	6·277	13·517
15412	13	6·490	13·282
15413	16	8·924	13·008
15414*	31	11·542	13·092
15415	16	11·909	13·159
15416	20	16·441	13·827
15417	24	17·260	13·655
15418	12	20·138	13·763
15419	19	21·749	13·585
15420	24	21·816	13·861
15421*	29	22·888	13·911
15422	22	23·045	13·242
15423	43	1·265	14·495
15424	19	4·488	14·717
15425	25	7·691	14·867
15426	14	10·194	14·925
15427	15	10·727	14·320
15428	14	11·549	14·485
15429	32	14·093	14·936
15430	19	14·144	14·188
15431	20	15·623	14·112
15432	18	17·914	14·380
15433*	40	18·600	14·689
15434	31	18·768	14·222
15435	13	19·220	14·210
15436	18	23·040	14·049
15437	15	23·311	14·636
15438	11	24·572	14·798
15439	13	24·724	14·730
15440	20	24·797	14·682
15441	13	24·850	14·459
15442	13	2·375	15·866
15443	32	3·199	15·121
15444*	50	6·989	15·611
15445	16	14·760	15·300
15446	21	15·114	15·314
15447*	60	15·457	15·342
15448	21	16·326	15·904

15449	22	16·694	15·633
15450	20	17·559	15·489
15451	12	21·939	15·518
15452	18	23·519	15·680
15453	18	24·199	15·480
15454	14	2·521	16·738
15455	15	3·308	16·257
15456*	60	8·794	16·369
15457	14	8·823	16·357
15458	13	9·829	16·639
15459	22	12·450	16·013
15460	21	15·813	16·457
15461	14	22·916	16·577
15462	10	24·450	16·826
15463	12	24·986	16·200
15464	22	25·033	16·108
15465	21	25·976	16·018
15466	17	0·750	17·083
15467	14	8·145	17·991
15468	11	10·862	17·238
15469	21	12·319	17·653
15470*	40	12·855	17·170
15471	25	13·427	17·071
15472	20	14·955	17·145
15473	10	16·030	17·674
15474	16	16·633	17·157
15475	19	17·111	17·255
15476	13	19·234	17·758
15477	30	20·736	17·699
15478	13	21·080	17·200
15479	31	24·017	17·006
15480	20	24·552	17·164
15481	22	0·839	18·782
15482	10	0·877	18·626
15483*	53	1·755	18·109
15484	26	6·026	18·200
15485	13	8·359	18·804
15486	19	10·215	18·730
15487	18	10·959	18·100
15488	15	11·935	18·169
15489	33	12·146	18·290
15490	13	12·205	18·924
15491	15	12·678	18·760
15492	26	13·238	18·989
15493	13	15·798	18·361
15494*	43	16·872	18·380
15495*	40	17·256	18·244
15496	13	19·015	18·980
15497*	40	19·993	18·284
15498	14	2·544	19·620
15499	30	3·340	19·722
15500	13	6·130	19·204
15501	16	6·660	19·872
15502	12	8·659	19·856
15503	30	9·524	19·588
15504	11	12·549	19·641
15505	31	12·557	19·667
15506	12	13·040	19·567
15507	15	14·714	19·748
15508	22	14·970	19·036
15509	15	15·829	19·344
15510	13	19·884	19·694
15511	30	20·592	19·757
15512	17	21·394	19·991
15513	23	22·296	19·434
15514*	42	24·488	19·102
15515	12	24·514	19·180
15516*	63	0·480	20·927
15517	27	0·624	20·743
15518	14	2·704	20·323
15519	10	4·384	20·016
15520	17	4·755	20·140
15521	15	4·959	20·090
15522	10	5·750	20·644

15523	10	6·555	20·265
15524	14	10·655	20·227
15525	11	11·024	20·764
15526	31	11·455	20·480
15527	12	12·981	20·161
15528	16	13·850	20·084
15529	22	14·365	20·477
15530	17	17·603	20·743
15531	11	18·716	20·215
15532	17	20·904	20·473
15533	16	22·330	20·418
15534	20	24·471	20·163
15535	24	24·555	20·026
15536	16	4·024	21·795
15537	13	6·473	21·533
15538	14	6·624	21·611
15539	13	9·229	21·237
15540	14	9·765	21·339
15541	12	12·191	21·580
15542	12	12·419	21·838
15543	27	12·545	21·083
15544	13	13·900	21·747
15545	19	17·563	21·947
15546*	24	18·670	21·040
15547	20	20·188	21·326
15548	13	20·204	21·721
15549*	45	23·316	21·468
15550	31	23·812	21·938
15551	16	4·686	22·252
15552	20	4·704	22·157
15553	27	5·688	22·361
15554*	40	9·056	22·000
15555	28	9·617	22·212
15556	12	9·929	22·787
15557	21	11·584	22·380
15558	13	14·444	22·062
15559	14	15·089	22·604
15560	13	15·745	22·066
15561	24	16·406	22·494
15562	14	19·474	22·731
15563	18	20·198	22·548
15564	32	24·670	22·572
15565	21	25·155	22·547
15566	16	5·844	23·175
15567	23	7·211	23·006
15568	16	7·386	23·023
15569	13	8·876	23·167
15570	28	12·265	23·464
15571	16	13·904	23·899
15572	18	15·438	23·736
15573	12	16·055	23·724
15574	13	17·085	23·527
15575	13	18·092	23·373
15576	20	19·355	23·220
15577	29	23·557	23·115
15578	46	25·606	23·492
15579	38	0·452	24·532
15580*	80	0·737	24·559
15581*	53	2·374	24·764
15582	40	4·524	24·726
15583	20	4·828	24·157
15584	41	6·160	24·696
15585	14	6·524	24·308
15586	14	7·875	24·068
15587	15	7·908	24·231
15588	16	9·606	24·681
15589	16	9·702	24·406
15590	20	10·527	24·655
15591	13	11·718	24·718
15592*	53	12·660	24·743
15593	19	17·343	24·298
15594	12	19·913	24·444
15595	15	22·258	24·192
15596	16	23·270	24·862

15597	18	23·477	24·736
15598	53	0·274	25·000
15599*	90	1·476	25·109
15600	19	5·907	25·090
15601	18	6·759	25·044
15602	15	6·877	25·434
15603	20	8·245	25·655
15604	16	9·980	25·509
15605*	60	12·640	25·808
15606	14	14·120	25·329
15607	19	15·170	25·108
15608	10	18·124	25·153
15609	21	21·144	25·500

R. A. 6h 13m

Plate 2314; 1903 Oct. 30.

Provisional Constants.

A	B	C
−·00071	+·00257	−·0974
D	E	F
−·00231	−·00074	+·0760

Mag. = $17{\cdot}0 - 1{\cdot}36\sqrt{d}$

No.	*d*	*x*	*y*
15701	25	1·795	0·025
15702	48	1·990	0·029
15703	22	3·297	0·734
15704	19	6·162	0·927
15705	21	8·270	0·143
15706	18	8·996	0·646
15707	10	10·692	0·342
15708*	31	12·464	0·622
15709	13	14·126	0·382
15710	11	14·267	0·743
15711	10	20·885	0·747
15712	13	21·290	0·295
15713*	33	21·746	0·807
15714	14	22·521	0·541
15715	28	23·876	0·414
15716	16	25·921	0·647
15717	28	2·987	1·173
15718*	41	2·990	1·898
15719*	42	4·255	1·194
15720*	44	6·397	1·519
15721	16	7·999	1·291
15722	17	8·004	1·687
15723	14	8·657	1·837
15724	12	12·131	1·430
15725	14	12·505	1·334
15726	23	13·064	1·632
15727	11	17·791	1·121
15728	10	18·181	1·094
15729	14	18·732	1·092
15730*	53	19·811	1·173
15731*	32	23·306	1·767
15732	15	24·153	1·579
15733	19	4·432	2·862
15734	30	4·868	2·392
15735	22	4·890	2·399
15736*	60	4·947	2·709
15737	15	5·255	2·819
15738	13	7·124	2·816

15739	11	12·110	2·373
15740	30	13·349	2·091
15741	18	16·075	2·727
15742	20	16·283	2·584
15743	23	17·575	2·250
15744	14	17·783	2·905
15745	12	17·941	2·484
15746	28	18·061	2·292
15747	12	20·496	2·618
15748	14	4·700	3·691
15749	17	6·440	3·982
15750	23	10·290	3·781
15751	16	11·216	3·495
15752	15	12·999	3·528
15753	14	13·150	3·242
15754	25	13·615	3·892
15755	12	13·811	3·494
15756	20	14·802	3·816
15757	15	17·126	3·849
15758	30	21·170	3·807
15759	17	1·898	4·359
15760	18	5·290	4·323
15761	11	8·579	4·384
15762	12	8·610	4·193
15763	10	9·604	4·769
15764*	40	10·246	4·538
15765	17	12·172	4·388
15766	11	14·010	4·258
15767	16	14·585	4·750
15768	20	17·055	4·595
15769	20	18·450	4·017
15770	12	19·811	4·746
15771	16	22·646	4·120
15772	9	22·752	4·431
15773	18	3·766	5·447
15774	23	6·369	5·747
15775	18	7·688	5·942
15776	26	8·645	5·412
15777	22	13·615	5·112
15778*	40	15·035	5·985
15779	13	15·594	5·086
15780	26	16·493	5·137
15781	12	16·770	5·923
15782	17	17·274	5·117
15783	22	17·490	5·660
15784	12	17·832	5·984
15785	17	18·642	5·580
15786	12	21·050	5·737
15787	13	21·747	5·289
15788	14	22·096	5·404
15789	21	24·323	5·100
15790	14	24·500	5·321
15791	12	25·650	5·572
15792	17	3·814	6·911
15793	12	4·930	6·730
15794	12	8·009	6·764
15795	14	8·808	6·440
15796	10	12·320	6·511
15797	12	12·444	6·104
15798	17	16·909	6·532
15799	14	18·304	6·435
15800*	38	18·684	6·267
15801	13	19·934	6·844
15802	14	21·494	6·392
15803	30	22·264	6·296
15804	11	22·300	6·064
15805	16	23·676	6·907
15806	23	24·666	6·125
15807*	40	3·932	7·633
15808	22	4·860	7·955
15809	21	6·895	7·559
15810	17	9·058	7·674
15811	14	10·490	7·995
15812	19	11·340	7·123

15813	14	12·860	7·416
15814	18	15·430	7·133
15815	13	16·562	7·341
15816	13	16·653	7·008
15817	10	18·466	7·195
15818*	26	20·924	7·704
15819	11	21·968	7·367
15820	18	21·987	7·570
15821	14	24·494	7·898
15822*	34	25·296	7·176
15823	40	1·226	8·092
15824	17	1·335	8·357
15825	21	3·052	8·304
15826	13	4·409	8·965
15827	12	4·630	8·508
15828	15	4·975	8·835
15829	18	5·375	8·323
15830	22	15·680	8·639
15831	15	16·475	8·840
15832	21	17·984	8·094
15833	12	19·264	8·573
15834	11	20·650	8·225
15835	14	22·368	8·533
15836	13	22·464	8·564
15837	11	24·360	8·636
15838	22	5·265	9·342
15839	10	8·435	9·073
15840*	17	9·422	9·261
15841	17	11·471	9·250
15842	18	13·950	9·920
15843	14	14·155	9·370
15844	15	18·451	9·791
15845	18	19·632	9·874
15846	11	21·199	9·345
15847*	50	0·161	10·866
15848	17	0·247	10·898
15849*	46	3·619	10·884
15850	29	6·104	10·531
15851	21	6·423	10·263
15852	13	6·583	10·205
15853	19	7·290	10·593
15854	14	7·314	10·295
15855	13	7·509	10·972
15856	11	7·856	10·073
15857	25	9·176	10·940
15858	22	15·575	10·397
15859	17	16·615	10·339
15860	16	18·814	10·717
15861	10	21·340	10·240
15862	12	21·856	10·672
15863	12	22·940	10·236
15864	10	23·254	10·759
15865	10	24·614	10·992
15866	18	25·606	10·219
15867	22	0·111	11·530
15868	41	0·771	11·185
15869	19	0·851	11·972
15870	25	1·397	11·118
15871	14	3·580	11·673
15872	22	5·485	11·024
15873	16	5·664	11·242
15874	24	6·114	11·082
15875	24	8·359	11·859
15876	14	8·775	11·470
15877	13	10·380	11·912
15878	21	10·894	11·092
15879	23	13·932	11·849
15880	16	14·694	11·809
15881	24	15·717	11·832
15882	31	19·645	11·713
15883	14	20·809	11·033
15884*	54	1·001	12·865
15885	40	1·477	12·088
15886	10	3·624	12·667

15887	12	5·311	12·641
15888*	30	7·367	12·967
15889	12	11·640	12·407
15890	19	13·244	12·185
15891	18	15·466	12·533
15892*	38	20·686	12·960
15893	17	20·701	12·814
15894	20	21·581	12·006
15895	13	21·704	12·940
15896	14	22·477	12·369
15897*	40	0·421	13·980
15898	36	0·565	13·307
15899	16	3·826	13·904
15900	10	4·770	13·982
15901	22	5·697	13·047
15902	17	7·690	13·073
15903	14	8·145	13·445
15904	13	8·264	13·938
15905	12	12·470	13·483
15906*	32	18·950	13·762
15907	15	20·620	13·289
15908	12	21·340	13·260
15909	11	23·873	13·434
15910	23	0·575	14·114
15911	10	0·862	14·697
15912	16	2·275	14·756
15913	29	2·349	14·707
15914	14	2·396	14·484
15915	23	3·871	14·609
15916	24	5·444	14·005
15917	20	6·920	14·628
15918*	33	10·485	14·840
15919	14	11·919	14·255
15920	16	12·413	14·707
15921	11	18·630	14·464
15922	19	18·863	14·069
15923	11	25·542	14·832
15924	15	23·862	14·641
15925	22	1·094	15·733
15926	22	1·765	15·518
15927	14	4·106	15·937
15928	13	5·431	15·190
15929	15	5·493	15·153
15930*	27	5·533	15·311
15931	16	5·700	15·411
15932	14	9·085	15·208
15933	11	10·389	15·424
15934	16	10·966	15·206
15935	21	11·377	15·471
15936	11	11·646	15·540
15937*	32	15·060	15·635
15938	30	17·450	15·290
15939*	35	18·211	15·452
15940	12	22·059	15·984
15941	14	22·264	15·145
15942	10	23·099	15·306
15943	15	23·477	15·260
15944	19	0·507	16·644
15945	13	2·574	16·221
15946	30	2·618	16·128
15947	21	3·558	16·019
15948	20	6·560	16·414
15949	17	7·430	16·229
15950	19	13·209	16·754
15951	18	14·550	16·741
15952	24	15·270	16·292
15953	16	16·124	16·774
15954	12	16·317	16·808
15955	14	18·204	16·672
15956	23	23·156	16·739
15957	16	23·199	16·329
15958	15	24·444	16·165
15959	30	24·773	16·386
15960	40	1·622	17·049

15961	27	2·160	17·195
15962*	32	4·461	17·705
15963	12	4·612	17·864
15964*	30	5·961	17·824
15965	13	6·764	17·122
15966	24	6·796	17·978
15967	10	8·766	17·931
15968	21	9·433	17·226
15969	16	9·870	17·004
15970	12	10·655	17·269
15971*	32	11·842	17·865
15972	21	11·993	17·970
15973	15	12·505	17·042
15974	10	14·458	17·812
15975	14	15·609	17·677
15976*	33	16·824	17·500
15977	18	18·717	17·139
15978	20	23·251	17·120
15979	16	23·644	17·992
15980	14	23·732	17·199
15981	14	8·631	18·369
15982	14	11·277	18·180
15983	30	12·558	18·504
15984	17	12·566	18·717
15985	10	13·856	18·966
15986	21	20·970	18·779
15987	24	24·001	18·159
15988	11	25·013	18·964
15989	17	25·179	18·294
15990*	46	2·140	19·136
15991	14	7·419	19·988
15992	12	10·491	19·636
15993	12	12·228	19·803
15994	15	14·520	19·027
15995	12	16·904	19·442
15996	14	17·859	19·519
15997	12	17·936	19·638
15998	26	20·651	19·901
15999	15	21·441	19·193
16000	12	22·502	19·924
16001	23	0·014	20·496
16002	31	2·144	20·194
16003	30	2·226	20·055
16004*	25	3·909	20·181
16005	16	5·327	20·158
16006*	38	5·517	20·064
16007	20	8·167	20·797
16008	13	8·180	20·919
16009	13	8·638	20·799
16010	13	9·429	20·597
16011	15	10·528	20·477
16012	11	10·606	20·055
16013	12	11·141	20·553
16014	13	15·500	20·292
16015	11	17·732	20·215
16016	22	21·415	20·164
16017*	62	1·020	21·527
16018	40	1·529	21·985
16019	32	4·261	21·824
16020	20	5·198	21·828
16021	17	13·400	21·433
16022*	40	16·433	21·235
16023	10	16·788	21·609
16024	10	16·840	21·060
16025	11	17·079	21·515
16026	17	18·984	21·010
16027	17	20·511	21·870
16028	17	22·482	21·684
16029	40	2·400	22·600
16030	28	2·884	22·563
16031	13	6·984	22·518
16032	14	7·165	22·327
16033	14	15·879	22·993
16034	27	23·416	22·149

16035	13	23·554	22·853
16036*	41	23·955	22·908
16037	10	25·414	22·242
16038	32	1·300	23·170
16039*	46	3·357	23·496
16040	20	5·800	23·076
16041	16	9·550	23·807
16042	12	11·013	23·133
16043	12	12·330	23·022
16044	21	14·970	23·339
16045	13	17·585	23·538
16046	14	19·017	23·984
16047	12	21·069	23·724
16048	13	21·417	23·127
16049	33	1·256	24·790
16050	14	5·150	24·339
16051	21	7·172	24·132
16052	17	8·351	24·594
16053	14	8·396	24·727
16054	18	14·700	24·709
16055*	30	18·893	24·927
16056	22	19·019	24·307
16057	12	20·693	24·950
16058	17	5·804	25·577
16059	19	7·626	25·871
16060	13	8·164	25·110
16061	14	8·594	25·604
16062	13	12·822	25·966
16063	16	14·304	25·566
16064	16	14·370	25·682
16065	15	16·050	25·849
16066	13	16·651	25·810
16067	13	17·350	25·566
16068	14	18·664	25·201
16069	14	22·125	25·913

R. A. 6h 22m

Plate 2315 ; 1903 Oct. 30.

Provisional Constants.

A	B	C
−·00052	−·00035	−·0557
D	**E**	**F**
+·00041	−·00071	−·0137

$Mag. = 16{\cdot}3 - 1{\cdot}36\sqrt{d}$

No.	*d*	*x*	*y*
16101	43	0·535	0·391
16102	16	4·614	0·515
16103	25	8·559	0·239
16104	12	8·814	0·952
16105	14	9·280	0·771
16106	21	9·530	0·814
16107	14	11·051	0·242
16108	14	15·076	0·890
16109	21	15·262	0·997
16110	13	18·587	0·663
16111	14	21·934	0·983
16112	13	23·311	0·934
16113	21	23·766	0·604
16114	19	0·830	1·551
16115	14	6·342	1·045
16116	11	7·446	1·814

16117*	22	7·706	1·033
16118*	17	7·770	1·398
16119	15	9·340	1·858
16120	14	11·160	1·565
16121	10	11·950	1·383
16122	11	12·735	1·426
16123	10	16·307	1·344
16124	23	16·858	1·755
16125	13	22·828	1·655
16126	14	24·295	1·492
16127	21	25·226	1·490
16128	16	3·454	2·830
16129*	50	3·595	2·127
16130	14	8·322	2·095
16131	13	8·520	2·183
16132	17	8·746	2·455
16133	10	9·631	2·499
16134	13	10·963	2·670
16135	13	11·107	2·351
16136*	26	12·463	2·406
16137	22	13·555	2·647
16138	17	13·790	2·408
16139	17	14·636	2·180
16140	30	14·849	2·007
16141	10	15·886	2·482
16142	13	17·806	2·895
16143	11	22·220	2·454
16144	14	22·961	2·730
16145	17	23·214	2·839
16146	30	25·460	2·964
16147	21	2·833	3·211
16148	22	3·326	3·317
16149	22	3·955	3·065
16150	10	9·947	3·582
16151	14	11·999	3·087
16152	16	12·176	3·776
16153	14	13·201	3·707
16154	14	13·374	3·822
16155	14	13·377	3·130
16156	16	14·986	3·748
16157	23	17·277	3·317
16158	10	18·944	3·806
16159	31	21·405	3·383
16160	10	21·557	3·790
16161	19	22·296	3·111
16162	12	22·626	3·343
16163	18	23·016	3·856
16164	13	23·047	3·178
16165	12	24·177	3·803
16166	14	25·350	3·768
16167	14	8·590	4·803
16168	15	9·374	4·944
16169	23	10·390	4·906
16170	14	11·815	4·843
16171	22	13·466	4·219
16172	12	17·620	4·819
16173	14	20·933	4·797
16174	20	21·030	4·402
16175	14	21·136	4·937
16176	12	25·847	4·661
16177	32	1·061	5·068
16178	17	1·244	5·285
16179	14	2·399	5·519
16180	16	3·681	5·661
16181*	30	6·656	5·277
16182	12	8·048	5·769
16183	13	10·422	5·459
16184	13	10·905	5·557
16185*	24	11·871	5·324
16186	14	13·723	5·808
16187*	39	13·750	5·163
16188	13	16·809	5·451
16189	21	16·936	5·040
16190	17	17·340	5·455

16191	22	19·655	5·608
16192	14	19·725	5·235
16193	11	20·248	5·564
16194	14	21·887	5·938
16195	12	21·930	5·067
16196	16	23·776	5·724
16197*	41	24·993	5·831
16198	22	0·444	6·885
16199	32	1·424	6·087
16200	21	3·304	6·805
16201	15	4·584	6·795
16202	14	4·573	6·307
16203	20	4·870	6·233
16204	11	8·569	6·133
16205	22	8·634	6·215
16206	13	8·680	6·825
16207	10	11·008	6·149
16208	16	11·468	6·190
16209	13	12·030	6·421
16210	27	12·240	6·777
16211*	36	12·272	6·756
16212	10	12·660	6·662
16213	12	12·855	6·248
16214	13	13·999	6·969
16215	14	20·377	6·082
16216	13	20·492	6·087
16217	14	21·006	6·162
16218	13	22·329	6·727
16219	23	25·374	6·295
16220	19	1·280	7·864
16221*	40	2·070	7·130
16222	11	4·510	7·766
16223	10	5·382	7·318
16224	18	6·619	7·600
16225	14	10·235	7·565
16226	14	12·483	7·829
16227	15	12·614	7·962
16228*	63	13·304	7·645
16229	12	14·541	7·174
16230	14	14·661	7·567
16231*	31	17·750	7·163
16232	10	18·792	7·439
16233	10	19·742	7·512
16234*	30	21·931	7·614
16235	16	22·355	7·130
16236	21	24·136	7·337
16237	13	24·826	7·580
16238*	29	4·011	8·658
16239	10	4·674	8·773
16240	12	5·944	8·893
16241	19	12·444	8·099
16242	22	13·570	8·309
16243	19	14·062	8·416
16244	11	15·260	8·270
16245	20	16·903	8·564
16246	12	17·250	8·859
16247	18	18·555	8·540
16248	13	19·185	8·270
16249	14	21·087	8·193
16250	14	21·274	8·207
16251	12	21·765	8·570
16252	20	22·970	8·975
16253	22	23·302	8·254
16254	19	23·758	8·121
16255	14	24·060	8·123
16256	16	3·354	9·774
16257	13	3·999	9·157
16258	14	4·653	9·029
16259	17	4·849	9·969
16260	13	6·811	9·454
16261	16	7·282	9·677
16262	19	8·144	9·629
16263*	48	10·966	9·442
16264	17	13·375	9·704

16265	16	14·415	9·865
16266	13	16·829	9·430
16267	14	19·280	9·887
16268	12	21·436	9·609
16269	14	1·457	10·957
16270	19	2·433	10·165
16271	13	3·611	10·807
16272	13	4·711	10·252
16273	12	7·359	10·287
16274	16	8·791	10·762
16275	12	10·054	10·806
16276	20	15·390	10·777
16277	17	17·140	10·486
16278*	31	18·645	10·359
16279	25	20·799	10·714
16280	12	24·445	10·689
16281	14	5·187	11·772
16282	12	5·767	11·397
16283	14	8·077	11·339
16284	22	13·538	11·734
16285	14	13·706	11·189
16286	15	17·393	11·137
16287	12	18·218	11·713
16288	17	18·327	11·521
16289	16	19·811	11·695
16290	19	20·051	11·021
16291	10	22·725	11·007
16292	10	25·050	11·020
16293	14	3·389	12·323
16294	14	9·299	12·194
16295	16	18·088	12·271
16296	12	20·181	12·502
16297	18	20·565	12·889
16298	22	21·857	12·262
16299	15	0·756	13·407
16300	12	3·460	13·347
16301	14	3·819	13·042
16302	10	5·293	13·973
16303	13	6·007	13·118
16304	18	8·449	13·366
16305	13	11·150	13·033
16306	16	11·363	13·060
16307	13	11·643	13·470
16308	22	11·931	13·516
16309	12	14·740	13·258
16310	14	15·320	13·199
16311	15	18·592	13·663
16312	12	19·964	13·067
16313	10	22·502	13·710
16314	14	23·668	13·284
16315	10	24·093	13·652
16316	23	24·736	13·266
16317	15	25·866	13·654
16318	14	4·880	14·786
16319*	24	4·912	14·261
16320	9	8·050	14·872
16321	17	8·395	14·221
16322	14	8·535	14·567
16323	16	8·674	14·691
16324*	30	9·184	14·392
16325	12	9·355	14·674
16326	16	10·950	14·165
16327	10	11·311	14·113
16328	13	14·494	14·477
16329	19	15·260	14·000
16330	13	17·860	14·532
16331	22	18·455	14·315
16332*	22	19·650	14·566
16333*	22	22·326	14·696
16334	21	23·346	14·953
16335	10	23·986	14·586
16336	11	24·633	14·996
16337	24	0·393	15·242
16338	23	3·202	15·973

16339	14	14·455	15·755
16340	20	15·464	15·627
16341	18	19·660	15·568
16342	9	20·905	15·590
16343	18	24·300	15·195
16344	31	0·096	16·727
16345	26	0·131	16·317
16346	21	1·374	16·129
16347	40	1·707	16·345
16348	20	3·452	16·656
16349	13	4·122	16·243
16350	10	7·316	16·380
16351	14	8·476	16·753
16352	20	12·715	16·927
16353*	23	12·740	16·900
16354	23	15·655	16·771
16355	14	16·167	16·580
16356	24	18·037	16·604
16357	15	18·720	16·747
16358	14	20·544	16·970
16359	15	20·668	16·431
16360*	22	21·325	16·606
16361	14	22·671	16·314
16362	12	23·623	16·381
16363	12	24·206	16·460
16364	30	0·197	17·106
16365	19	0·607	17·969
16366	20	0·680	17·167
16367	20	5·519	17·455
16368	10	6·065	17·660
16369	12	8·404	17·696
16370	14	11·364	17·973
16371	22	13·606	17·661
16372	13	13·928	17·788
16373	10	14·191	17·978
16374	12	21·050	17·305
16375	10	23·395	17·677
16376*	30	23·413	17·787
16377	10	24·251	17·839
16378	42	0·966	18·133
16379	19	2·145	18·247
16380	15	2·426	18·079
16381	16	3·047	18·373
16382	12	5·412	18·025
16383	17	6·705	18·673
16384	12	6·944	18·388
16385	14	7·342	18·730
16386	9	8·390	18·346
16387	12	12·210	18·510
16388	14	12·585	18·405
16389	13	12·690	18·137
16390	15	13·462	18·333
16391	13	15·145	18·098
16392	12	20·736	18·487
16393	11	21·133	18·472
16394	20	23·652	18·697
16395	14	24·634	18·963
16396*	30	24·755	18·125
16397	14	6·084	19·653
16398	14	7·431	19·668
16399	13	8·587	19·053
16400	12	11·791	19·137
16401	13	13·620	19·165
16402	16	14·327	19·006
16403	13	14·975	19·017
16404	20	17·129	19·907
16405*	31	17·535	19·463
16406	14	19·074	19·488
16407	10	19·311	19·767
16408	10	19·686	19·027
16409	15	20·570	19·877
16410	10	20·691	19·402
16411	30	21·315	19·964
16412	26	21·750	19·342

16413	10	22·493	19·636
16414	13	4·144	20·664
16415	12	5·729	20·277
16416	14	7·431	20·896
16417	10	9·642	20·627
16418	21	9·752	20·961
16419	14	14·747	20·358
16420*	22	15·385	20·050
16421*	20	15·542	20·755
16422	14	16·255	20·794
16423	10	17·920	20·453
16424	13	19·867	20·983
16425*	32	20·544	20·931
16426	13	21·490	20·096
16427	14	24·721	20·587
16428	14	25·218	20·033
16429	10	25·910	20·803
16430	22	3·455	21·096
16431	26	4·389	21·309
16432	20	5·397	21·859
16433	13	6·584	21·637
16434	20	8·340	21·089
16435	13	9·086	21·255
16436	12	12·509	21·293
16437	12	14·381	21·220
16438	12	15·820	21·203
16439	12	18·371	21·357
16440	13	21·503	21·657
16441	19	24·954	21·146
16442	50	0·448	22·134
16443*	58	1·000	22·880
16444	13	7·267	22·809
16445	12	8·830	22·050
16446	10	8·860	22·892
16447	17	11·720	22·366
16448	11	14·190	22·301
16449	16	15·153	22·721
16450	11	15·300	22·376
16451	20	20·170	22·784
16452	12	22·784	22·192
16453	22	3·649	23·387
16454*	31	3·692	23·604
16455*	23	3·699	23·584
16456	17	4·037	23·545
16457	16	4·353	23·464
16458	14	7·079	23·190
16459	13	7·636	23·308
16460	12	7·841	23·132
16461	11	7·866	23·013
16462	14	7·884	23·887
16463	10	14·764	23·813
16464	10	15·555	23·568
16465	12	16·640	23·003
16466*	32	17·404	23·342
16467	13	20·430	23·014
16468	22	24·760	23·551
16469	21	3·834	24·185
16470	17	3·857	24·873
16471	22	4·105	24·985
16472	14	5·626	24·644
16473*	28	5·945	24·600
16474	13	6·707	24·381
16475	21	7·770	24·888
16476	14	8·755	24·349
16477	14	9·753	24·379
16478	9	14·274	24·123
16479	14	14·624	24·303
16480	9	15·655	24·828
16481	19	16·265	24·382
16482	11	17·587	24·772
16483	24	17·958	24·367
16484*	31	18·355	24·264
16485	21	18·523	24·806
16486	14	21·792	24·420

16487	13	24·221	24·387
16488	21	5·448	25·181
16489	16	6·419	25·832
16490	11	9·325	25·399
16491	10	10·623	25·936
16492	14	11·380	25·536
16493	13	11·586	25·447
16494	22	12·540	25·764
16495	12	13·371	25·244
16496	14	14·890	25·955
16497	10	15·127	25·087
16498	10	17·276	25·166
16499	13	18·984	25·304
16500	17	23·625	25·684

R. A. 6h 31m

Plate 2153; 1903 Feb. 28.

Provisional Constants.

A	B	C
−·00061	+·00274	−·163
D	**E**	**F**
−·00270	−·00069	−·059

Mag. = 15·9 − 1·36 √d

No.	d	x	y
16501	22	0·279	0·56
16502	12	5·264	0·15
16503	11	8·080	0·31
16504	10	8·749	0·88
16505	9	10·768	0·82
16506	10	11·014	0·30
16507	10	11·765	0·19
16508	10	12·002	0·20
16509	10	12·189	0·46
16510*	28	12·718	0·32
16511*	32	13·271	0·81
16512	22	13·572	0·00
16513*	14	13·945	0·97
16514	14	13·946	0·16
16515	12	14·290	0·45
16516	11	14·624	0·25
16517	10	14·970	0·62
16518	10	15·082	0·13
16519	10	15·426	0·04
16520	22	16·916	0·21
16521	22	17·064	0·37
16522	12	17·162	0·88
16523	10	17·820	0·51
16524	10	18·534	0·41
16525	12	18·650	0·00
16526	10	18·945	0·06
16527	13	19·218	0·98
16528	10	21·215	0·50
16529	10	22·225	0·19
16530	11	23·199	0·84
16531	10	25·853	0·78
16532	12	0·827	1·43
16533	22	1·758	1·41
16534	12	2·661	1·00
16535	17	2·989	1·09
16536	13	3·463	1·71
16537	22	4·294	1·44

16538	17	4·905	1·474	16612	11	15·417	4·939	16686	10	14·275	8·008	16760	10	23·348	11·099	16834	15	23·517	14·080
16539	13	5·140	1·801	16613	11	17·358	4·392	16687	10	14·715	8·978	16761	13	23·340	11·769	16835	10	23·804	14·761
16540*	22	5·920	1·425	16614	13	17·785	4·505	16688	13	16·429	8·593	16762	12	25·153	11·991	16836	13	24·402	14·746
16541	10	5·997	1·103	16615	11	18·382	4·302	16689	13	16·643	8·340	16763	11	25·420	11·150	16837	12	1·149	15·138
16542	11	6·358	1·300	16616	10	18·613	4·412	16690	10	17·587	8·150	16764	13	5·141	12·129	16838	10	3·119	15·744
16543	21	8·992	1·593	16617	10	20·084	4·848	16691	10	17·820	8·071	16765	10	5·650	12·935	16839*	25	4·285	15·901
16544	10	9·215	1·356	16618	9	20·087	4·842	16692	9	18·751	8·105	16766	12	6·220	12·271	16840	22	4·636	15·437
16545	11	9·736	1·174	16619	13	20·135	4·677	16693	10	19·311	8·814	16767	10	6·395	12·212	16841	11	6·481	15·595
16546	13	9·850	1·249	16620*	39	20·200	4·036	16694	18	19·770	8·174	16768	10	6·696	12·433	16842	12	6·493	15·869
16547	10	12·194	1·472	16621*	41	21·835	4·541	16695	11	20·101	8·838	16769	10	7·594	12·250	16843	10	6·970	15·482
16548	11	13·780	1·385	16622	13	22·663	4·820	16696	10	21·370	8·925	16770	10	11·041	12·062	16844	10	8·477	15·010
16549	14	14·602	1·721	16623	13	24·978	4·147	16697	13	21·486	8·314	16771*	42	11·548	12·911	16845	19	9·060	15·174
16550	10	15·631	1·338	16624	12	0·409	5·683	16698	10	22·787	8·407	16772*	22	14·175	12·429	16846	21	9·614	15·077
16551	10	15·794	1·218	16625*	32	1·626	5·760	16699	11	23·022	8·820	16773*	54	14·511	12·583	16847	10	9·899	15·452
16552	13	16·305	1·751	16626	10	5·435	5·023	16700	10	23·951	8·817	16774	11	15·051	12·181	16848	10	11·574	15·417
16553	10	18·375	1·639	16627	12	7·324	5·842	16701	12	25·400	8·240	16775	10	20·926	12·495	16849	10	12·158	15·444
16554	10	20·174	1·419	16628	12	8·025	5·700	16702	10	3·347	9·665	16776	10	21·521	12·145	16850	10	12·625	15·517
16555	15	20·192	1·322	16629	12	11·109	5·284	16703	9	4·164	9·651	16777	10	23·027	12·025	16851	13	13·450	15·750
16556	10	21·449	1·449	16630	22	11·700	5·259	16704	15	4·503	9·201	16778	12	23·066	12·641	16852	10	14·050	15·820
16557	14	22·315	1·797	16631	10	11·726	5·934	16705	10	6·000	9·490	16779	10	23·324	12·785	16853	13	15·762	15·551
16558	11	22·478	1·409	16632	9	12·267	5·250	16706	12	6·446	9·845	16780	10	23·819	12·083	16854	10	16·029	15·111
16559	13	25·024	1·164	16633	13	12·469	5·855	16707	11	6·468	9·747	16781	11	24·242	12·635	16855	18	18·608	15·257
16560	25	2·027	2·884	16634	10	16·319	5·614	16708	12	7·148	9·467	16782	11	0·477	13·242	16856	10	21·010	15·897
16561	10	3·102	2·733	16635	10	16·700	5·548	16709	13	8·352	9·690	16783	11	0·912	13·602	16857*	32	21·149	15·390
16562	12	3·447	2·656	16636	10	18·191	5·208	16710*	29	9·332	9·359	16784	13	1·543	13·201	16858	11	22·961	15·808
16563	11	4·280	2·527	16637*	43	18·418	5·603	16711*	22	11·562	9·830	16785	12	2·685	13·562	16859	10	23·238	15·240
16564	13	6·304	2·799	16638	13	18·798	5·541	16712	20	13·024	9·831	16786	9	3·084	13·236	16860	13	24·117	15·270
16565	10	8·506	2·390	16639	13	23·243	5·023	16713	11	14·290	9·880	16787	10	3·453	13·958	16861	10	24·442	15·401
16566	10	9·758	2·760	16640	18	2·017	6·217	16714*	31	15·063	9·412	16788	10	3·554	13·474	16862	10	24·901	15·354
16567	10	10·420	2·137	16641	11	2·850	6·471	16715	16	15·770	9·882	16789*	33	4·354	13·790	16863	10	25·514	15·960
16568	11	12·365	2·578	16642*	32	8·088	6·854	16716	13	17·295	9·691	16790*	33	5·379	13·312	16864	10	25·877	15·892
16569	10	13·519	2·042	16643	10	8·179	6·981	16717	27	20·169	9·517	16791	11	5·382	13·249	16865	11	0·501	16·341
16570	15	13·735	2·689	16644	11	11·134	6·993	16718	10	22·073	9·475	16792	22	5·464	13·028	16866	11	1·086	16·407
16571	11	13·910	2·429	16645	13	13·270	6·519	16719	19	22·177	9·949	16793	10	5·479	13·267	16867	12	2·397	16·589
16572	19	14·294	2·370	16646	13	14·006	6·594	16720	15	25·784	9·159	16794	10	5·564	13·750	16868	10	4·015	16·400
16573	11	15·712	2·877	16647	21	16·127	6·340	16721	11	1·194	10·630	16795	13	6·101	13·927	16869	12	5·738	16·069
16574	10	16·403	2·730	16648	10	17·877	6·906	16722	10	1·804	10·949	16796	12	6·310	13·074	16870	22	7·550	16·237
16575*	23	17·338	2·090	16649	10	18·823	6·170	16723	9	2·576	10·148	16797	10	7·064	13·380	16871	15	7·704	16·188
16576	10	17·830	2·436	16650	10	19·784	6·715	16724	11	5·250	10·858	16798	10	10·376	13·707	16872	10	7·725	16·533
16577	10	18·894	2·787	16651	21	19·905	6·838	16725	13	7·307	10·447	16799	22	12·313	13·143	16873	10	7·930	16·887
16578	13	19·818	2·430	16652	14	20·934	6·393	16726	10	8·562	10·670	16800	20	13·109	13·279	16874	10	8·792	16·250
16579	9	21·071	2·059	16653	10	21·182	6·239	16727	13	11·275	10·374	16801	22	14·354	13·842	16875	12	9·097	16·350
16580	10	22·315	2·368	16654	10	21·559	6·861	16728	10	11·901	10·945	16802	10	16·997	13·046	16876	10	9·377	16·240
16581*	22	24·100	2·199	16655	13	22·588	6·867	16729	10	12·306	10·053	16803	13	17·760	13·256	16877	10	9·568	16·121
16582	12	1·935	3·689	16656	10	23·049	6·777	16730	10	12·659	10·305	16804	11	17·882	13·650	16878	9	10·825	16·672
16583	12	2·993	3·509	16657	10	23·410	6·192	16731	13	13·705	10·847	16805	16	18·159	13·254	16879	11	12·128	16·380
16584	13	4·451	3·758	16658	13	0·804	7·287	16732	10	18·025	10·786	16806	13	20·191	13·960	16880*	37	15·230	16·527
16585	13	6·366	3·899	16659	13	1·500	7·513	16733	13	20·071	10·922	16807	22	20·963	13·996	16881	10	19·024	16·402
16586	10	6·917	3·441	16660	11	2·879	7·961	16734	21	21·617	10·579	16808	11	22·536	13·630	16882	10	19·312	16·620
16587	11	7·156	3·721	16661	11	6·084	7·169	16735	13	21·650	10·931	16809	10	22·805	13·455	16883	12	20·270	16·667
16588	10	7·572	3·595	16662	22	6·328	7·084	16736	10	21·877	10·040	16810	22	23·224	13·291	16884	10	21·845	16·597
16589	22	7·741	3·771	16663	9	9·730	7·684	16737	10	22·806	10·640	16811	11	23·331	13·151	16885	12	22·975	16·452
16590	10	9·750	3·411	16664	12	10·744	7·705	16738*	37	24·102	10·249	16812	14	24·007	13·238	16886	11	0·309	17·644
16591	21	9·905	3·080	16665	10	11·844	7·397	16739	10	24·129	10·751	16813	10	25·652	13·218	16887*	22	0·328	17·750
16592*	32	10·167	3·148	16666	10	13·498	7·761	16740	10	2·682	11·630	16814	13	0·191	14·921	16888	10	1·161	17·785
16593	10	13·491	3·988	16667	11	14·203	7·530	16741	20	3·233	11·821	16815	10	0·823	14·537	16889	10	1·521	17·350
16594	11	13·840	3·485	16668	10	16·179	7·327	16742	10	6·255	11·592	16816	10	1·478	14·930	16890	10	2·621	17·757
16595	10	14·349	3·112	16669	11	18·409	7·912	16743	10	6·613	11·561	16817*	26	4·837	14·029	16891	22	6·020	17·655
16596	10	14·821	3·226	16670	10	18·771	7·490	16744	12	7·539	11·825	16818	10	6·088	14·362	16892	10	6·090	17·472
16597	13	15·224	3·549	16671	9	18·773	7·477	16745	10	7·875	11·484	16819	10	6·314	14·160	16893	10	6·601	17·689
16598	10	18·560	3·066	16672	13	18·935	7·479	16746	10	9·075	11·064	16820	13	6·529	14·545	16894	10	8·444	17·591
16599	15	24·064	3·338	16673	10	21·938	7·320	16747	10	9·080	11·845	16821	10	7·685	14·824	16895	10	8·992	17·650
16600	10	24·152	3·239	16674	12	23·938	7·024	16748	11	11·398	11·674	16822	13	8·220	14·380	16896	11	12·285	17·161
16601	11	2·454	4·571	16675	10	24·029	7·635	16749	10	13·138	11·463	16823	10	13·167	14·048	16897	10	12·437	17·440
16602	19	3·568	4·916	16676	12	24·454	7·761	16750	11	13·785	11·057	16824	13	13·838	14·880	16898*	22	15·456	17·896
16603*	25	6·136	4·990	16677	13	0·444	8·077	16751	10	14·154	11·084	16825	22	14·305	14·494	16899	10	15·848	17·659
16604	20	7·225	4·513	16678	11	0·744	8·075	16752	10	15·140	11·107	16826	13	14·390	14·982	16900	13	16·285	17·320
16605	12	8·585	4·143	16679	9	4·393	8·880	16753*	24	15·764	11·249	16827	10	16·824	14·407	16901	10	16·300	17·670
16606	22	10·186	4·490	16680	13	4·517	8·621	16754	11	16·547	11·194	16828	11	17·342	14·479	16902	10	18·185	17·722
16607	12	10·429	4·278	16681	10	4·830	8·439	16755	22	16·720	11·821	16829	14	17·370	14·950	16903	22	18·484	17·811
16608	13	10·847	4·443	16682	13	5·599	8·801	16756	10	19·770	11·431	16830	10	18·350	14·250	16904	10	19·322	17·792
16609	10	12·817	4·236	16683	10	6·625	8·849	16757	10	21·888	11·259	16831	10	18·474	14·820	16905	13	19·882	17·679
16610	12	13·595	4·252	16684	10	6·970	8·550	16758	13	23·271	11·351	16832	10	19·373	14·080	16906	10	19·929	17·541
16611	13	14·802	4·522	16685	10	7·058	8·793	16759	10	23·324	11·120	16833	10	23·280	14·461	16907	10	20·256	17·815

16908	10	20·452	17·330	16982	11	17·311	20·807	17056*	22	9·356	23·447	17206	11	12·024	0·879	17280	13	4·534	5·881
16909	10	20·832	17·022	16983	10	17·977	20·709	17057	13	13·481	23·708	17207	17	12·144	0·746	17281	16	4·754	5·089
16910	22	20·959	17·451	16984	15	18·084	20·180	17058	10	13·835	23·700	17208	12	12·985	0·030	17282	10	5·224	5·969
16911	13	24·125	17·918	16985	10	18·359	20·744	17059*	25	13·953	23·313	17209	11	13·261	0·363	17283	15	5·355	5·857
16912	12	25·490	17·916	16986	10	19·582	20·570	17060	11	14·096	23·741	17210*	27	13·795	0·325	17284	10	7·751	5·316
16913	13	0·585	18·657	16987	13	20·154	20·623	17061	13	14·600	23·250	17211	12	15·130	0·889	17285	12	7·976	5·033
16914	10	1·573	18·900	16988	10	20·291	20·143	17062	18	15·206	23·379	17212	10	17·531	0·711	17286	18	8·428	5·975
16915*	18	1·672	18·060	16989	21	21·329	20·084	17063	10	15·215	23·199	17213	12	22·535	0·460	17287	12	9·456	5·591
16916	10	5·272	18·575	16990	10	22·089	20·136	17064	25	16·367	23·859	17214*	17	24·876	0·268	17288	13	11·114	5·622
16917	13	7·094	18·462	16991	10	22·425	20·817	17065	9	16·462	23·562	17215	26	2·151	1·283	17289	10	11·807	5·553
16918	13	7·250	18·882	16992	13	22·990	20·155	17066*	40	17·005	23·125	17216	27	3·534	1·053	17290	11	12·191	5·58
16919*	28	7·371	18·621	16993	11	23·671	20·312	17067	11	18·010	23·660	17217	22	4·755	1·310	17291	10	15·051	5·354
16920	10	9·928	18·220	16994	11	26·000	20·350	17068	10	22·346	23·022	17218	14	5·882	1·217	17292	11	15·572	5·974
16921	13	9·975	18·351	16995	12	1·943	21·077	17069	11	24·248	23·791	17219	24	6·124	1·715	17293	12	19·500	5·59
16922	10	10·435	18·487	16996	12	3·750	21·921	17070	42	25·805	23·797	17220	18	6·617	1·385	17294	10	20·269	5·164
16923	10	10·553	18·964	16997	22	3·839	21·895	17071	22	3·940	24·850	17221	15	8·673	1·076	17295	12	20·395	5·162
16924*	39	10·567	18·182	16998	13	7·855	21·088	17072	13	4·180	24·359	17222	10	12·501	1·548	17296	10	21·064	5·272
16925	12	12·650	18·527	16999	10	8·181	21·389	17073	12	4·853	24·979	17223	9	17·588	1·973	17297	11	21·315	5·60
16926	15	13·136	18·020	17000	10	10·720	21·644	17074	10	6·511	24·589	17224	11	17·941	1·432	17298	14	21·325	5·37
16927	11	13·915	18·417	17001	10	11·620	21·974	17075	21	8·350	24·139	17225	12	18·262	1·822	17299	14	24·321	5·56
16928	10	15·088	18·927	17002	10	11·732	21·619	17076	10	8·431	24·150	17226*	34	1·246	2·337	17300	27	25·642	5·34
16929	10	18·262	18·769	17003	10	12·792	21·295	17077	10	8·453	24·369	17227*	32	4·309	2·026	17301*	32	4·147	6·761
16930	10	19·367	18·536	17004	10	13·990	21·530	17078	10	9·426	24·350	17228	14	7·674	2·760	17302*	26	4·820	6·55
16931	10	19·850	18·642	17005	10	14·142	21·340	17079	13	9·730	24·833	17229	9	8·860	2·659	17303	21	5·098	6·228
16932	10	21·206	18·937	17006	9	16·268	21·538	17080	23	10·817	24·843	17230	13	9·350	2·500	17304	10	5·324	6·48
16933*	30	22·094	18·229	17007	12	16·460	21·015	17081	10	11·205	24·822	17231	15	9·351	2·474	17305	15	5·780	6·72
16934	11	22·503	18·784	17008*	32	17·415	21·041	17082	10	13·759	24·782	17232	15	9·466	2·185	17306	14	7·320	6·30
16935	15	22·912	18·281	17009	18	17·535	21·286	17083	22	14·697	24·566	17233	10	10·861	2·112	17307	13	9·055	6·56
16936	12	2·183	19·957	17010	9	17·591	21·621	17084	10	16·033	24·714	17234	11	11·955	2·879	17308	15	14·230	6·74
16937	12	2·981	19·809	17011	10	19·182	21·782	17085	10	16·179	24·670	17235	11	14·066	2·407	17309	10	15·984	6·18
16938	10	4·281	19·154	17012	23	20·219	21·385	17086	10	16·855	24·370	17236	17	14·161	2·042	17310	12	17·801	6·87
16939	10	4·622	19·848	17013	10	20·380	21·241	17087	12	19·160	24·711	17237	18	17·220	2·327	17311	10	18·398	6·46
16940	10	6·561	19·218	17014	10	21·364	21·638	17088	10	19·533	24·258	17238	10	18·336	2·149	17312	13	19·510	6·77
16941*	40	6·650	19·073	17015	10	23·344	21·673	17089	10	19·954	24·034	17239*	14	19·255	2·278	17313	16	21·258	6·00
16942	10	8·114	19·268	17016	12	25·085	21·707	17090	10	5·061	25·130	17240	14	23·750	2·004	17314	9	21·344	6·07
16943	13	8·660	19·368	17017	11	3·254	22·750	17091	10	9·385	25·395	17241	15	24·131	2·428	17315	24	21·590	6·86
16944*	35	9·095	19·623	17018	12	3·284	22·003	17092	13	9·814	25·443	17242	20	24·794	2·497	17316	15	24·113	6·27
16945	13	10·122	19·815	17019	11	3·382	22·427	17093	11	11·233	25·307	17243	26	1·232	3·476	17317*	20	24·454	6·35
16946	10	13·431	19·790	17020	12	3·794	22·231	17094	10	12·685	25·120	17244	17	3·179	3·947	17318	12	24·838	6·45
16947	10	14·258	19·849	17021	10	6·070	22·284	17095	10	16·606	25·466	17245*	23	9·797	3·347	17319	11	25·261	6·02
16948	14	14·641	19·384	17022	10	6·206	22·594	17096	11	17·153	25·127	17246	10	10·140	3·592	17320	16	1·173	7·16
16949	10	15·327	19·090	17023	10	6·914	22·385	17097	22	18·353	25·205	17247	11	10·305	3·409	17321	19	1·700	7·89
16950	10	15·780	19·910	17024	10	9·690	22·790	17098	10	18·377	25·774	17248	17	12·121	3·984	17322	10	9·995	7·68
16951*	26	15·851	19·626	17025	10	10·779	22·166	17099	10	19·995	25·938	17249	10	13·770	3·155	17323*	21	11·821	7·60
16952	10	16·189	19·437	17026	12	12·372	22·715	17100	21	21·310	25·889	17250	9	14·215	3·146	17324	10	11·995	7·91
16953	10	18·217	19·598	17027	9	12·409	22·661	17101	22	24·766	25·211	17251	12	15·344	3·856	17325	10	13·816	7·99
16954	10	18·551	19·038	17028*	28	12·554	22·416					17252	9	16·328	3·528	17326	15	14·930	7·31
16955	9	19·660	19·950	17029	9	13·350	22·008					17253*	32	16·850	3·659	17327	10	20·124	7·20
16956	11	21·624	19·630	17030	10	13·399	22·078					17254	12	17·438	3·268	17328	11	21·379	7·76
16957	10	21·962	19·391	17031	10	13·616	22·957					17255*	27	20·371	3·866	17329	10	21·453	7·93
16958	12	22·050	19·007	17032	10	13·979	22·464					17256	14	21·214	3·613	17330	11	22·635	7·39
16959	12	23·884	19·877	17033	11	14·835	22·003					17257	18	21·585	3·919	17331	9	22·979	7·14
16960	10	24·245	19·311	17034	10	15·320	22·598					17258	12	24·147	3·397	17332	10	23·595	7·25
16961*	21	24·835	19·514	17035	10	15·711	22·535					17259	12	25·085	3·246	17333	10	24·809	7·25
16962	10	25·233	19·577	17036	10	16·864	22·609					17260	17	25·406	3·237	17334	17	0·291	8·97
16963	11	25·331	19·317	17037	10	17·781	22·441					17261	19	2·160	4·264	17335	22	2·657	8·35
16964	11	1·699	20·523	17038	10	17·911	22·597					17262	18	3·248	4·081	17336	11	3·782	8·41
16965	11	2·894	20·707	17039	10	18·103	22·162					17263	10	8·295	4·248	17337	16	3·864	8·72
16966	10	4·419	20·555	17040	13	19·386	22·442					17264	11	8·600	4·181	17338	10	5·666	8·08
16967	10	4·654	20·385	17041	10	19·509	22·216					17265	10	8·767	4·355	17339	12	6·274	8·34
16968	22	4·831	20·664	17042	13	19·531	22·385					17266	11	9·422	4·585	17340	10	6·660	8·06
16969	12	4·867	20·872	17043	15	20·860	22·711					17267	10	10·504	4·326	17341	10	6·711	8·16
16970	13	5·500	20·107	17044	10	21·438	22·909					17268	11	10·905	4·315	17342*	24	8·035	8·31
16971	10	5·634	20·985	17045	13	21·671	22·362					17269*	30	11·060	4·433	17343	13	8·436	8·15
16972*	22	6·497	20·195	17046	10	22·278	22·318					17270	12	13·594	4·114	17344*	34	8·595	8·02
16973	10	7·786	20·339	17047	10	23·027	22·585					17271	12	14·500	4·747	17345	12	9·299	8·85
16974	9	7·831	20·632	17048	11	23·418	22·876					17272	10	15·370	4·145	17346	11	10·740	8·71
16975	11	12·463	20·656	17049	11	23·739	22·544					17273	18	15·963	4·810	17347	10	11·360	8·62
16976	10	12·597	20·499	17050	22	1·805	23·484					17274	10	20·935	4·814	17348	20	11·918	8·29
16977	10	14·033	20·073	17051	22	4·311	23·805					17275	11	22·025	4·268	17349	11	12·522	8·07
16978	10	14·292	20·914	17052	10	6·783	23·211					17276	12	24·199	4·893	17350	10	15·214	8·35
16979	12	16·066	20·409	17053	13	7·270	23·408					17277	12	25·031	4·064	17351	10	18·916	8·41
16980	10	16·929	20·340	17054*	32	7·591	23·804					17278	30	0·437	5·175	17352	15	19·458	8·72
16981	10	17·181	20·098	17055	10	9·150	23·549					17279	14	4·027	5·655	17353	11	21·864	8·87

R. A. 6h 40m

Plate 2154 ; 1903 Feb. 28.

Provisional Constants.

A	B	C
−·00054	+·00124	+·3336
D	**E**	**F**
−·00116	−·00059	+·0010

Mag. $= 16·2 - 1·36\sqrt{d}$

No.	d	x	y
17201	17	6·744	0·418
17202	17	9·355	0·519
17203	17	9·772	0·436
17204	12	10·850	0·610
17205	20	11·741	0·849

No.	d	x	y
17354	10	22·143	8·638
17355	15	23·200	8·266
17356	13	24·135	8·044
17357	10	25·008	8·928
17358	22	3·057	9·265
17359	12	3·486	9·890
17360	11	5·280	9·719
17361	17	5·955	9·598
17362	14	6·614	9·709
17363	11	7·115	9·134
17364	14	10·044	9·907
17365*	20	10·121	9·622
17366	16	12·190	9·294
17367	14	14·585	9·290
17368	14	14·700	9·627
17369	12	15·115	9·850
17370	20	15·155	9·730
17371*	29	16·170	9·703
17372	9	16·497	9·299
17373	13	16·783	9·959
17374	14	19·096	9·226
17375	17	19·188	9·555
17376	14	19·252	9·334
17377	11	21·481	9·360
17378	10	21·707	9·011
17379	10	23·745	9·885
17380	11	25·830	9·359
17381*	51	1·399	10·384
17382	14	1·428	10·886
17383	14	4·266	10·137
17384	18	6·460	10·030
17385	10	6·495	10·984
17386	9	6·949	10·634
17387	12	7·168	10·847
17388	11	9·324	10·801
17389	11	11·340	10·190
17390	10	12·978	10·346
17391	11	13·526	10·517
17392	16	14·676	10·776
17393	10	14·719	10·123
17394	13	15·790	10·095
17395	15	16·399	10·053
17396	11	17·494	10·253
17397	9	19·176	10·361
17398	8	19·666	10·190
17399	11	25·436	10·925
17400	29	0·585	11·502
17401	17	0·634	11·270
17402	22	0·657	11·248
17403	26	0·660	11·916
17404	16	2·731	11·261
17405	12	5·916	11·138
17406*	24	6·509	11·562
17407	15	7·807	11·382
17408	9	8·301	11·313
17409	12	14·336	11·929
17410	14	15·151	11·724
17411	16	15·204	11·472
17412	10	21·571	11·089
17413	10	22·609	11·138
17414	23	24·148	11·137
17415	12	24·670	11·444
17416	13	25·610	11·033
17417	24	0·408	12·794
17418	18	1·579	12·766
17419	20	2·481	12·104
17420	22	3·714	12·404
17421	11	5·311	12·612
17422	11	6·909	12·284
17423*	25	7·318	12·314
17424*	44	10·098	12·120
17425	16	10·664	12·351
17426	9	12·899	12·648
17427	16	13·158	12·185

No.	d	x	y
17428*	22	14·680	12·440
17429	12	16·064	12·361
17430	16	18·838	12·315
17431	16	20·242	12·728
17432	20	20·742	12·118
17433	12	23·227	12·860
17434	9	23·725	12·467
17435	10	23·961	12·670
17436	11	25·555	12·491
17437	41	0·575	13·441
17438	16	0·677	13·299
17439	25	1·358	13·374
17440	12	3·395	13·691
17441	10	3·955	13·944
17442*	29	5·785	13·722
17443	16	6·975	13·393
17444	9	9·269	13·988
17445	14	12·210	13·975
17446	14	14·036	13·563
17447	12	14·149	13·937
17448	11	21·161	13·377
17449	15	21·678	13·736
17450	10	23·046	13·259
17451	15	23·985	13·875
17452	12	24·430	13·631
17453	26	0·884	14·224
17454	19	1·777	14·873
17455	10	4·170	14·854
17456	13	5·902	14·016
17457	20	7·055	14·700
17458	11	8·639	14·111
17459	14	14·345	14·452
17460*	40	17·200	14·840
17461	11	19·133	14·863
17462	9	20·659	14·549
17463	10	20·815	14·356
17464	11	21·100	14·555
17465	10	23·103	14·715
17466	12	24·775	14·273
17467	27	25·485	14·381
17468	17	0·359	15·964
17469	20	1·504	15·401
17470	11	2·290	15·472
17471	15	3·275	15·996
17472	10	4·152	15·474
17473	12	5·570	15·460
17474	9	5·599	15·014
17475	13	9·356	15·888
17476	11	12·205	15·591
17477	10	13·976	15·070
17478	10	15·863	15·897
17479	15	16·080	15·003
17480	11	17·232	15·797
17481	10	21·605	15·474
17482	9	21·801	15·177
17483	10	23·233	15·028
17484	12	23·936	15·160
17485	13	24·100	15·280
17486	18	0·385	16·608
17487	20	3·824	16·700
17488	19	5·013	16·871
17489	10	5·869	16·505
17490	9	7·384	16·759
17491	10	8·244	16·300
17492	13	9·291	16·244
17493	14	10·278	16·400
17494	10	11·193	16·160
17495	11	15·827	16·846
17496	10	17·153	16·888
17497	10	20·090	16·863
17498	17	20·169	16·531
17499	17	24·535	16·122
17500	16	25·223	16·010
17501	15	6·440	17·990

No.	d	x	y
17502	12	6·495	17·969
17503	10	7·400	17·681
17504	12	8·309	17·660
17505	10	8·871	17·561
17506*	20	10·420	17·280
17507	12	12·735	17·227
17508	10	12·875	17·866
17509*	19	13·092	17·370
17510	10	13·272	17·182
17511*	23	14·096	17·763
17512	16	14·200	17·147
17513	9	16·020	17·702
17514	10	16·630	17·274
17515	10	17·989	17·858
17516*	22	18·184	17·242
17517	8	18·321	17·909
17518*	32	19·004	17·508
17519	10	19·236	17·004
17520	14	19·701	17·480
17521	10	24·280	17·577
17522	12	25·720	17·017
17523	32	0·357	18·435
17524	21	1·560	18·054
17525	20	2·925	18·024
17526*	39	5·885	18·666
17527	10	7·939	18·948
17528*	21	8·419	18·435
17529	12	9·575	18·674
17530	10	10·013	18·448
17531	10	10·867	18·995
17532	11	11·304	18·387
17533	15	12·088	18·320
17534*	23	12·674	18·795
17535	8	14·824	18·789
17536	9	15·355	18·891
17537	11	16·360	18·968
17538	9	18·640	18·930
17539	10	20·877	18·330
17540	11	22·425	18·567
17541	12	23·928	18·690
17542	9	24·090	18·962
17543*	24	2·300	19·632
17544	16	2·794	19·428
17545	12	4·255	19·253
17546	10	4·841	19·860
17547*	30	6·211	19·586
17548	15	7·416	19·688
17549	12	7·636	19·151
17550	11	7·844	19·886
17551	19	8·187	19·970
17552	15	8·761	19·705
17553	20	9·715	19·651
17554	9	9·909	19·167
17555	17	10·955	19·804
17556	11	11·173	19·411
17557	8	11·374	19·204
17558	12	12·282	19·411
17559	20	13·245	19·185
17560	9	18·855	19·391
17561	10	22·643	19·506
17562*	21	24·015	19·153
17563	16	25·331	19·528
17564	30	0·466	20·309
17565	17	1·155	20·453
17566	23	1·356	20·014
17567	14	3·482	20·447
17568	19	3·910	20·090
17569	12	7·707	20·548
17570	10	8·863	20·197
17571	11	10·180	20·919
17572	15	10·289	20·410
17573	10	15·524	20·860
17574	9	15·911	20·424
17575	11	17·516	20·060

No.	d	x	y
17576	10	18·210	20·379
17577	14	18·588	20·555
17578	9	21·203	20·209
17579	10	21·324	20·700
17580*	30	22·325	20·836
17581	11	23·203	20·276
17582	11	23·852	20·355
17583	19	24·177	20·282
17584	13	24·410	20·995
17585	15	2·590	21·822
17586	12	5·437	21·050
17587	11	7·029	21·746
17588	13	7·387	21·850
17589	13	8·439	21·872
17590	10	9·100	21·716
17591	12	9·880	21·511
17592	10	10·848	21·684
17593	10	11·616	21·723
17594	16	12·355	21·817
17595	10	12·575	21·584
17596	10	13·609	21·678
17597	11	13·799	21·130
17598	15	16·296	21·434
17599	9	19·428	21·266
17600	13	20·911	21·195
17601	14	21·064	21·444
17602	10	21·700	21·646
17603	10	23·210	21·211
17604	10	24·256	21·266
17605	12	25·150	21·540
17606	20	25·187	21·271
17607	17	1·260	22·682
17608	32	3·919	22·920
17609	14	4·655	22·702
17610	14	6·529	22·826
17611	11	7·635	22·423
17612	12	7·942	22·002
17613	14	9·790	22·390
17614	9	10·085	22·091
17615	11	14·401	22·718
17616*	35	16·635	22·713
17617	10	19·541	22·714
17618	10	19·739	22·780
17619	13	22·892	22·835
17620	13	22·908	22·686
17621*	49	3·352	23·895
17622	19	3·698	23·418
17623	13	6·506	23·988
17624	14	6·576	23·885
17625	12	7·445	23·455
17626	13	7·740	23·249
17627	11	8·900	23·595
17628	10	10·137	23·869
17629	14	11·897	23·140
17630	11	12·726	23·924
17631	16	13·127	23·550
17632	10	13·582	23·400
17633	12	13·626	23·238
17634	11	14·196	23·032
17635	10	18·125	23·395
17636	10	18·346	23·536
17637	10	18·955	23·299
17638	9	20·708	23·509
17639	10	21·249	23·524
17640	15	25·134	23·485
17641	18	4·595	24·980
17642	13	8·671	24·908
17643	19	9·930	24·534
17644	11	10·936	24·542
17645*	22	12·095	24·277
17646	14	13·024	24·867
17647	10	13·600	24·301
17648	10	17·279	24·515
17649	9	17·564	24·560

No.	d	x	y
17650*	30	17·767	24·988
17651	10	19·075	24·746
17652	12	19·579	24·908
17653	12	21·421	24·634
17654	15	22·669	24·852
17655	12	23·702	24·574
17656*	32	23·886	24·232
17657	16	25·456	24·749
17658	33	2·336	25·331
17659	30	3·610	25·555
17660	17	8·164	25·282
17661*	38	8·569	25·863
17662	14	10·927	25·907
17663	14	11·326	25·396
17664	14	11·560	25·634
17665	12	11·985	25·791
17666	10	13·380	25·089
17667	12	13·450	25·810
17668	11	14·274	25·704
17669	12	14·296	25·927
17670	23	14·753	25·091
17671	20	17·467	25·567
17672	10	17·970	25·566
17673	17	22·550	25·789
17674	13	23·550	25·555
17675*	27	24·592	25·444
17676*	32	25·554	25·609

R. A. 6^h 49^m

Plate 2155; 1903 Feb. 28.

Provisional Constants.

A	B	C
−·00033	+·00411	+·0017
D	**E**	**F**
−·00441	−·00042	+·0356

Mag. = $16{\cdot}1 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
17701*	21	1·154	0·329
17702*	43	2·359	0·715
17703	20	4·795	0·681
17704	17	6·114	0·767
17705	14	9·294	0·218
17706	12	11·018	0·806
17707*	38	11·475	0·410
17708	16	11·864	0·815
17709	11	12·946	0·443
17710	13	13·884	0·943
17711	10	15·862	0·299
17712	9	15·956	0·025
17713	14	16·062	0·600
17714	20	16·066	0·757
17715	9	17·579	0·225
17716	21	21·900	0·794
17717	11	21·922	0·601
17718	18	24·036	0·470
17719	21	24·324	0·025
17720	12	25·094	0·670
17721	15	4·687	1·030
17722	16	4·724	1·813
17723	22	6·130	1·043

17724	12	9·274	1·669	17798	8	22·233	4·355	17872	20	20·244	9·642	17946	19	25·763	13·966	18020	20	0·634	18·773
17725	12	9·653	1·510	17799	10	22·403	4·472	17873	11	21·450	9·001	17947	17	1·382	14·334	18021	10	4·419	18·782
17726	10	11·205	1·490	17800	14	23·302	4·229	17874	12	24·144	9·147	17948	31	2·090	14·426	18022	24	5·825	18·828
17727	14	12·346	1·177	17801	14	25·121	4·828	17875	12	24·153	9·850	17949	12	2·870	14·317	18023	10	8·410	18·810
17728	13	12·431	1·871	17802	27	2·038	5·388	17876	10	24·559	9·183	17950	10	4·320	14·175	18024	10	8·694	18·493
17729	12	12·510	1·240	17803	8	4·584	5·496	17877	14	1·962	10·973	17951	9	6·442	14·944	18025	7	10·010	18·388
17730	14	13·036	1·079	17804	16	5·344	5·277	17878	11	3·982	10·315	17952	9	6·746	14·666	18026	10	10·126	18·262
17731	12	13·062	1·737	17805	19	5·430	5·564	17879	20	5·083	10·567	17953	14	7·811	14·134	18027	16	11·890	18·244
17732	10	13·808	1·446	17806*	22	6·609	5·520	17880	14	6·287	10·632	17954	20	8·808	14·244	18028	9	12·472	18·788
17733	22	14·108	1·173	17807	10	6·807	5·236	17881	11	10·310	10·055	17955	9	9·087	14·500	18029	11	14·523	18·024
17734	12	15·837	1·063	17808	10	8·035	5·384	17882	12	12·901	10·740	17956	14	9·250	14·610	18030	21	15·160	18·111
17735	11	16·130	1·603	17809	12	11·716	5·705	17883	14	14·030	10·520	17957	13	10·400	14·743	18031	10	16·059	18·117
17736	13	16·186	1·394	17810	14	11·955	5·060	17884*	31	14·429	10·805	17958	8	10·710	14·412	18032	13	17·794	18·560
17737	9	16·440	1·114	17811	14	12·967	5·392	17885	12	16·318	10·500	17959	14	12·007	14·819	18033	10	19·313	18·980
17738	14	18·293	1·950	17812	12	13·065	5·500	17886	13	17·585	10·120	17960	11	18·523	14·381	18034	9	21·227	18·110
17739	10	18·577	1·800	17813	23	16·517	5·100	17887	14	18·940	10·069	17961	14	21·516	14·660	18035	9	21·656	18·201
17740	12	20·028	1·020	17814	22	21·445	5·381	17888	9	24·586	10·687	17962	14	22·054	14·472	18036*	22	22·696	18·327
17741	14	21·707	1·044	17815	10	22·758	5·680	17889	31	0·679	11·214	17963	10	22·854	14·912	18037	10	22·947	18·82
17742	13	23·075	1·863	17816*	22	23·874	5·734	17890	17	1·209	11·510	17964	14	24·122	14·105	18038	12	23·946	18·75
17743	14	24·340	1·839	17817	23	0·532	6·357	17891	18	2·138	11·077	17965	19	0·562	15·242	18039*	35	0·732	19·23
17744	23	0·459	2·506	17818*	25	0·874	6·427	17892	13	4·518	11·070	17966	20	0·728	15·356	18040	20	2·055	19·57
17745	33	1·125	2·560	17819	22	1·259	6·520	17893	12	5·609	11·442	17967	9	4·518	15·525	18041	16	3·523	19·09
17746	15	5·034	2·799	17820	18	4·626	6·924	17894	13	8·175	11·655	17968	9	5·617	15·435	18042	17	7·049	19·91
17747	20	5·795	2·195	17821	15	5·353	6·970	17895	14	9·197	11·980	17969	20	6·186	15·887	18043	10	7·100	19·84
17748	13	7·012	2·783	17822	12	6·516	6·175	17896	15	13·522	11·392	17970	11	6·543	15·998	18044	9	8·140	19·89
17749	13	7·480	2·449	17823	14	8·751	6·483	17897	14	17·087	11·842	17971	13	7·580	15·048	18045	16	8·169	19·92
17750	12	9·837	2·284	17824	11	10·546	6·007	17898	20	17·299	11·670	17972	9	7·765	15·210	18046	10	10·030	19·29
17751	20	10·354	2·184	17825	13	15·400	6·142	17899	9	18·537	11·325	17973	9	7·970	15·082	18047	11	10·691	19·47
17752	22	12·117	2·403	17826	21	16·986	6·347	17900*	24	18·613	11·710	17974*	33	9·253	15·930	18048	10	11·596	19·50
17753	8	13·476	2·972	17827*	22	18·315	6·985	17901	10	19·005	11·900	17975	9	10·035	15·480	18049*	23	11·776	19·24
17754	14	13·942	2·593	17828	18	18·442	6·564	17902	12	19·486	11·671	17976	13	10·194	15·480	18050	10	12·070	19·91
17755	12	15·515	2·962	17829	13	18·656	6·700	17903	14	20·597	11·738	17977	20	11·781	15·830	18051*	33	16·384	19·13
17756	10	16·400	2·936	17830	9	19·543	6·799	17904	18	21·740	11·107	17978	13	14·808	15·537	18052	12	16·457	19·36
17757*	35	17·230	2·880	17831	9	20·376	6·236	17905	18	22·279	11·771	17979	14	16·080	15·490	18053	10	17·230	19·87
17758	10	18·588	2·188	17832	12	21·384	6·266	17906	8	22·774	11·477	17980	20	17·320	15·063	18054	12	18·020	19·13
17759	10	18·954	2·030	17833*	22	21·386	6·225	17907	9	22·865	11·050	17981	8	17·520	15·507	18055	12	19·455	19·51
17760	11	19·372	2·730	17834	9	22·796	6·030	17908	18	23·197	11·006	17982	11	18·835	15·811	18056*	31	20·018	19·72
17761	9	19·390	2·707	17835	9	22·976	6·707	17909	15	23·586	11·080	17983	13	18·907	15·434	18057	7	21·474	19·26
17762	10	20·173	2·214	17836	10	23·361	6·317	17910	10	23·729	11·638	17984	14	19·269	15·964	18058	13	21·653	19·87
17763	14	20·249	2·634	17837*	33	25·394	6·077	17911	10	24·848	11·595	17985	17	20·225	15·914	18059	11	24·267	19·29
17764	13	22·027	2·609	17838	11	5·109	7·269	17912	13	4·038	12·720	17986	14	21·255	15·980	18060	29	0·919	20·30
17765	14	24·030	2·654	17839	9	9·901	7·031	17913	9	6·154	12·304	17987	15	21·891	15·404	18061	26	2·777	20·72
17766	27	1·754	3·286	17840	14	14·088	7·152	17914	16	10·907	12·286	17988	9	23·116	15·747	18062	15	2·955	20·04
17767	14	2·433	3·463	17841	12	15·092	7·073	17915	12	11·411	12·050	17989	7	24·360	15·910	18063	16	3·706	20·41
17768	26	3·706	3·451	17842	18	15·354	7·422	17916	10	12·994	12·055	17990	25	1·180	16·188	18064	20	4·040	20·81
17769	13	4·426	3·150	17843	9	16·140	7·792	17917	15	14·793	12·983	17991	24	1·869	16·060	18065	11	6·888	20·63
17770	13	6·250	3·506	17844	22	17·015	7·080	17918	14	15·016	12·325	17992	13	2·682	16·513	18066*	22	7·011	20·00
17771	11	6·533	3·479	17845	11	19·267	7·319	17919	17	16·857	12·370	17993	11	3·800	16·243	18067	11	8·582	20·91
17772	12	9·170	3·660	17846	9	19·519	7·308	17920	14	17·522	12·960	17994	15	4·477	16·250	18068	10	8·915	20·13
17773	10	10·270	3·735	17847	10	21·592	7·181	17921	20	20·298	12·955	17995	13	6·410	16·450	18069	14	9·859	20·19
17774	22	14·434	3·363	17848	10	22·889	7·947	17922	11	21·806	12·355	17996	10	7·879	16·544	18070*	22	9·992	20·51
17775	18	16·440	3·499	17849	18	0·592	8·124	17923	12	22·049	12·500	17997	15	8·174	16·197	18071	7	10·011	20·83
17776	9	17·526	3·418	17850	11	2·527	8·836	17924	11	24·649	12·450	17998	12	9·060	16·640	18072	14	10·660	20·24
17777	9	18·641	3·690	17851*	33	8·015	8·363	17925	22	0·583	13·955	17999*	23	12·986	16·126	18073	8	11·759	20·110
17778	14	20·529	3·423	17852	12	14·460	8·728	17926	21	1·020	13·701	18000	10	13·839	16·010	18074	13	11·833	20·010
17779	13	20·736	3·309	17853*	25	14·855	8·805	17927	12	4·310	13·020	18001	12	15·020	16·666	18075	7	13·507	20·00
17780	10	21·735	3·161	17854	14	16·266	8·440	17928	14	7·650	13·825	18002	12	18·519	16·064	18076	13	14·259	20·37
17781	12	22·996	3·914	17855	22	18·680	8·130	17929	14	8·052	13·476	18003	11	23·089	16·310	18077	9	14·309	20·90
17782	14	23·409	3·811	17856*	25	18·784	8·569	17930	12	8·720	13·994	18004	12	24·284	16·260	18078	12	15·035	20·82
17783	18	25·732	3·747	17857	7	21·723	8·914	17931	12	9·947	13·525	18005	10	24·843	16·427	18079	13	15·301	20·51
17784	22	3·702	4·630	17858	9	23·720	8·641	17932	13	10·914	13·029	18006	14	25·030	16·601	18080	11	15·755	20·62
17785	14	5·657	4·107	17859	13	24·956	8·421	17933	15	11·834	13·117	18007	18	2·387	17·055	18081	14	16·630	20·65
17786	13	5·963	4·144	17860	12	2·321	9·398	17934	12	12·480	13·999	18008	15	3·697	17·256	18082	9	16·809	20·67
17787	12	7·166	4·570	17861	9	3·468	9·972	17935*	28	12·635	13·658	18009	9	6·211	17·650	18083	20	21·700	20·49
17788	11	7·460	4·840	17862	9	3·844	9·531	17936	13	12·776	13·128	18010	12	9·333	17·962	18084	9	21·848	20·99
17789	11	7·572	4·201	17863	22	4·660	9·379	17937	13	13·474	13·300	18011	11	9·799	17·014	18085	12	22·102	20·97
17790	11	12·092	4·561	17864	9	7·497	9·483	17938	10	19·169	13·784	18012	10	10·585	17·813	18086	12	22·770	20·48
17791	10	12·852	4·407	17865	12	9·167	9·503	17939	10	19·560	13·509	18013	17	11·760	17·336	18087	14	23·001	20·05
17792*	35	13·176	4·507	17866	13	11·564	9·632	17940	11	19·735	13·954	18014	11	12·885	17·852	18088	22	23·328	20·74
17793	9	15·120	4·446	17867	11	14·100	9·550	17941	9	21·395	13·694	18015	24	17·744	17·646	18089	10	23·526	20·64
17794	11	15·566	4·150	17868*	21	14·910	9·244	17942	20	21·684	13·314	18016	9	17·853	17·824	18090	14	25·741	20·12
17795	10	19·640	4·190	17869	13	16·985	9·115	17943	8	22·306	13·912	18017	10	18·633	17·505	18091	27	1·952	21·32
17796	9	20·184	4·478	17870*	30	17·948	9·762	17944	9	22·380	13·344	18018*	24	18·650	17·113	18092	22	3·461	21·46
17797	14	20·602	4·849	17871	14	18·275	9·609	17945	15	24·519	13·866	18019	10	20·573	17·740	18093	13	6·116	21·67

R. A. $6^h\ 58^m$

Plate 2316 ; 1903 Oct. 30.

Provisional Constants.

A	B	C
−·00078	+·00215	−·0536
D	**E**	**F**
−·00192	−·00070	+·0377

Mag. = $16{\cdot}3 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
18094	14	6·841	21·150
18095	12	7·644	21·762
18096	9	10·370	21·926
18097	8	10·799	21·233
18098	7	10·890	21·775
18099	12	10·973	21·438
18100	10	11·984	21·571
18101	10	15·620	21·458
18102	14	19·065	21·184
18103	12	19·607	21·824
18104	15	3·939	22·457
18105	22	6·320	22·707
18106	14	8·787	22·303
18107	14	9·462	22·177
18108	10	10·662	22·468
18109	10	11·655	22·362
18110	7	13·003	22·679
18111*	22	13·850	22·020
18112	10	15·593	22·620
18113	10	16·062	22·934
18114	18	18·724	22·466
18115	12	20·086	22·874
18116	12	24·013	22·126
18117*	23	24·140	22·795
18118	26	1·949	23·535
18119	12	10·455	23·586
18120	11	12·323	23·966
18121	11	12·346	23·557
18122	20	12·630	23·897
18123*	22	12·760	23·496
18124	13	15·840	23·190
18125	10	16·264	23·430
18126	9	17·120	23·976
18127	9	17·622	23·890
18128	13	21·884	23·930
18129	18	24·880	23·591
18130	13	25·931	23·228
18131*	50	0·721	24·311
18132	21	6·009	24·426
18133	22	6·380	24·580
18134	12	8·899	24·517
18135	12	10·841	24·016
18136	14	12·580	24·026
18137	10	13·368	24·622
18138	9	13·392	24·534
18139	8	13·826	24·778
18140	13	14·343	24·394
18141	10	18·301	24·471
18142*	20	18·695	24·731
18143	18	18·916	24·199
18144	14	19·780	24·160
18145	11	20·596	24·637
18146	15	22·847	24·900
18147	14	23·725	24·452
18148*	39	1·451	25·508
18149*	38	2·420	25·648
18150*	22	14·828	25·257
18151	11	16·490	25·036
18152	14	22·110	25·990
18153	14	22·372	25·991
18154	16	23·287	25·166
18201	28	0·874	0·137
18202	21	7·469	0·143
18203	19	12·188	0·801
18204	22	15·387	0·393
18205	22	18·355	0·259
18206	20	0·922	1·948
18207	22	5·623	1·899
18208*	31	7·974	1·358
18209	20	8·844	1·272
18210	18	9·926	1·971
18211	21	10·500	1·764
18212	21	15·900	1·075
18213	16	16·656	1·045
18214	18	20·437	1·015
18215	30	22·645	1·011
18216	31	25·215	1·573
18217*	41	4·225	2·153
18218	21	4·428	2·627
18219	21	4·608	2·685
18220*	24	5·114	2·269
18221	26	5·253	2·149
18222	22	8·378	2·011
18223*	22	11·186	2·467
18224	19	11·334	2·696
18225	18	12·041	2·156
18226	22	12·581	2·306
18227	18	12·718	2·229
18228	17	15·339	2·399
18229	20	16·291	2·749
18230	20	17·484	2·201
18231	14	19·331	2·089
18232	14	19·769	2·255
18233	19	21·146	2·619
18234	18	25·203	2·414
18235	22	2·346	3·832
18236	24	2·924	3·044
18237*	33	4·000	3·592
18238	16	5·099	3·802
18239	21	6·038	3·961
18240	15	9·341	3·680
18241*	24	11·480	3·758
18242	13	13·883	3·434
18243	11	14·532	3·423
18244	13	14·641	3·528
18245	12	16·320	3·224
18246	20	17·309	3·214
18247	15	18·080	3·511
18248	16	20·111	3·052
18249	21	20·321	3·211
18250	24	20·955	3·912
18251	18	24·160	3·265
18252*	28	24·574	3·047
18253	16	24·880	3·908
18254	18	1·758	4·923
18255	29	2·704	4·320
18256	17	3·748	4·485
18257*	22	4·138	4·504
18258	13	7·464	4·514
18259	22	11·266	4·388
18260	20	12·174	4·299
18261	12	13·678	4·592
18262	25	16·123	4·684
18263	19	17·883	4·330
18264	17	19·193	4·623
18265	11	21·791	4·221
18266*	40	25·759	4·739
18267*	40	0·525	5·853
18268	17	3·283	5·355
18269*	24	7·035	5·441
18270	15	7·168	5·518
18271	13	7·333	5·404
18272	13	9·124	5·005
18273	21	9·404	5·229
18274	13	16·343	5·018
18275	29	17·503	5·151
18276	18	19·429	5·978
18277	18	22·601	5·662
18278	17	24·191	5·826
18279*	45	2·051	6·166
18280	14	6·275	6·400
18281	22	7·600	6·669
18282	16	7·644	6·333
18283	21	8·608	6·393
18284	18	9·436	6·233
18285	20	11·798	6·383
18286*	27	14·100	6·203
18287	18	21·508	6·321
18288	15	22·370	6·770
18289	22	23·134	6·440
18290	18	4·191	7·584
18291	12	6·538	7·754
18292	20	12·660	7·794
18293*	45	14·518	7·138
18294	20	22·765	7·579
18295	21	23·838	7·908
18296*	38	25·331	7·617
18297	20	1·654	8·520
18298*	21	6·759	8·351
18299	18	6·811	8·028
18300	20	7·419	8·354
18301	12	9·503	8·950
18302	20	9·846	8·177
18303*	35	11·182	8·587
18304	11	16·993	8·812
18305	18	18·879	8·017
18306	12	21·858	8·288
18307	28	22·363	8·066
18308	21	23·745	8·825
18309	21	0·856	9·256
18310	22	0·878	9·961
18311	18	4·864	9·130
18312	16	5·796	9·014
18313	21	6·988	9·787
18314	13	7·248	9·389
18315	17	12·009	9·987
18316	18	13·921	9·902
18317	20	17·030	9·786
18318	18	19·868	9·893
18319	22	20·347	9·341
18320	18	21·875	9·314
18321	18	24·453	9·120
18322	18	25·462	9·936
18323	18	3·020	10·380
18324	18	4·723	10·600
18325	14	5·306	10·969
18326	18	6·739	10·384
18327	20	10·444	10·007
18328	24	16·447	10·521
18329	20	18·184	10·144
18330	19	19·648	10·537
18331	20	23·530	10·763
18332	23	0·336	11·201
18333	22	4·307	11·455
18334	15	6·757	11·863
18335	26	12·094	11·152
18336	22	12·235	11·219
18337	20	18·231	11·541
18338	18	19·770	11·878
18339	20	22·650	11·376
18340	17	23·455	11·750
18341	18	1·419	12·549
18342	18	3·330	12·250
18343	18	4·399	12·537
18344	21	4·582	12·060
18345	23	5·749	12·799
18346	15	6·667	12·546
18347	18	7·979	12·589
18348	20	10·325	12·757
18349	19	15·012	12·823
18350	18	17·115	12·489
18351	17	17·335	12·060
18352	10	21·960	12·345
18353	14	22·811	12·947
18354	26	1·319	13·970
18355	22	3·645	13·135
18356	19	7·639	13·201
18357*	19	9·244	13·918
18358	20	10·654	13·847
18359	19	24·524	13·733
18360	25	0·925	14·215
18361	26	2·562	14·046
18362	15	8·304	14·726
18363	18	9·339	14·038
18364	17	12·127	14·584
18365	18	13·782	14·745
18366	22	15·729	14·188
18367	22	19·711	14·331
18368	17	21·934	14·429
18369*	28	2·875	15·791
18370	22	9·892	15·897
18371*	26	10·693	15·402
18372	19	12·480	15·182
18373	20	17·182	15·334
18374	16	17·557	15·310
18375	19	22·690	15·962
18376	19	22·960	15·940
18377	18	1·126	16·366
18378	23	1·878	16·694
18379	16	7·147	16·512
18380	21	11·619	16·497
18381	22	15·377	16·149
18382*	27	17·557	16·094
18383	17	22·231	16·039
18384	13	24·361	16·178
18385*	33	7·533	17·613
18386	22	7·628	17·941
18387	12	8·467	17·600
18388	16	8·846	17·988
18389	16	10·600	17·731
18390	12	10·976	17·899
18391	15	12·747	17·639
18392	16	15·488	17·921
18393	12	17·614	17·121
18394*	29	21·328	17·365
18395	13	23·594	17·445
18396	13	23·960	17·698
18397	18	0·833	18·864
18398	29	3·250	18·984
18399	20	4·155	18·305
18400	29	5·130	18·384
18401*	30	8·416	18·814
18402	11	17·504	18·474
18403*	27	17·626	18·321
18404	16	22·765	18·408
18405*	30	23·080	18·846
18406	18	4·225	19·760
18407	17	5·433	19·576
18408	20	14·276	19·559
18409*	40	15·640	19·109
18410*	44	16·440	19·521
18411	20	20·486	19·930
18412	18	20·707	19·655
18413	13	23·906	19·864
18414	13	24·000	19·336
18415	26	25·182	19·926
18416	38	0·250	20·860
18417	20	2·651	20·206
18418	17	4·451	20·467
18419	13	10·006	20·301
18420	17	10·379	20·687
18421	22	20·356	20·075
18422*	26	23·522	20·511
18423	22	24·176	20·182
18424	18	3·238	21·702
18425	16	7·196	21·428
18426	20	8·306	21·630
18427*	29	8·710	21·291
18428	22	10·531	21·651
18429	22	18·564	21·174
18430	22	23·192	21·852
18431	18	24·820	21·209
18432	20	25·544	21·761
18433*	33	1·096	22·902
18434	26	3·437	22·284
18435	18	6·112	22·981
18436	17	7·852	22·408
18437	18	12·483	22·576
18438	15	14·640	22·754
18439	26	14·894	22·992
18440	21	15·933	22·846
18441	20	16·370	22·102
18442	16	18·962	22·026
18443	14	19·778	22·500
18444*	28	24·116	22·625
18445	12	24·449	22·510
18446	26	3·813	23·751
18447	18	6·973	23·482
18448	17	7·985	23·288
18449	13	9·561	23·410
18450	15	10·910	23·905
18451	13	13·757	23·029
18452	27	18·423	23·038
18453	26	18·432	23·028
18454	16	22·245	23·261
18455	28	4·206	24·073
18456	20	10·231	24·688
18457	16	10·454	24·890
18458	26	12·073	24·420
18459	18	12·904	24·376
18460	17	19·875	24·463
18461	13	22·994	24·615
18462*	25	3·535	25·994
18463*	43	6·757	25·987
18464	29	7·270	25·486
18465	26	8·220	25·344
18466	19	9·178	25·260
18467	16	11·161	25·911
18468	17	12·433	25·317
18469	22	12·790	25·520
18470	18	12·839	25·072
18471	13	14·902	25·207
18472	27	15·304	25·473
18473	16	16·828	25·348
18474	10	17·065	25·191
18475	13	17·071	25·491
18476	22	18·144	25·213
18477	13	21·418	25·377

R. A. 7h 7m

Plate 2317; 1903 Oct. 30.

Provisional Constants.

A	B	C
−·00060	+·00147	−·0645
D	**E**	**F**
−·00104	−·00066	+·0794

Mag. = 16·9 − 1·36√d

No.	d	x	y
18501	17	9·777	0·864
18502	12	10·475	0·839
18503	19	14·052	0·655
18504	20	22·800	0·996
18505	13	23·123	0·347
18506	19	23·790	0·161
18507	20	24·173	0·670
18508	40	1·849	1·653
18509*	33	6·495	1·274
18510	17	6·759	1·720
18511	24	7·629	1·950
18512*	17	13·802	1·184
18513	21	16·283	1·887
18514	15	16·419	1·649
18515*	24	16·954	1·570
18516*	27	17·367	1·328
18517	13	20·599	1·427
18518*	29	21·317	1·961
18519	20	22·901	1·852
18520	20	1·850	2·486
18521	22	2·889	2·620
18522	22	7·438	2·300
18523	16	10·873	2·932
18524	15	12·757	2·554
18525	12	13·372	2·150
18526	22	14·568	2·521
18527	13	14·574	2·558
18528	17	15·821	2·016
18529	20	16·910	2·285
18530	12	17·979	2·091
18531	15	20·690	2·202
18532	24	22·464	2·524
18533*	45	1·235	3·133
18534	18	1·555	3·989
18535	29	2·666	3·085
18536*	38	4·500	3·120
18537	12	6·259	3·226
18538	11	6·419	3·770
18539	10	9·955	3·080
18540	12	12·059	3·010
18541	19	12·100	3·217
18542	10	12·270	3·410
18543	20	12·767	3·749
18544	12	14·107	3·044
18545*	33	16·682	3·043
18546	12	17·562	3·384
18547	11	20·715	3·612
18548	17	24·551	3·037
18549*	53	2·454	4·804
18550	15	8·584	4·768
18551	18	12·033	4·840
18552	22	14·774	4·393
18553	26	15·450	4·280
18554	12	19·887	4·555
18555	13	21·677	4·991
18556	21	23·265	4·398

No.	d	x	y
18557	18	24·006	4·531
18558	19	3·219	5·316
18559	13	4·651	5·489
18560*	70	7·190	5·992
18561	14	11·282	5·741
18562	22	12·044	5·269
18563	13	17·080	5·914
18564	13	17·396	5·366
18565	15	21·220	5·499
18566	18	21·667	5·220
18567	13	5·691	6·950
18568	12	6·884	6·931
18569	22	9·398	6·911
18570	16	10·196	6·477
18571	19	10·319	6·600
18572	14	19·482	6·807
18573	17	22·911	6·366
18574	14	23·358	6·906
18575*	55	2·079	7·691
18576	15	4·639	7·147
18577*	40	5·265	7·340
18578*	33	10·139	7·946
18579	22	12·336	7·184
18580	13	15·643	7·213
18581*	33	17·376	7·490
18582	17	19·920	7·699
18583	22	20·357	7·510
18584	13	23·773	7·633
18585*	27	24·327	7·796
18586	22	0·521	8·930
18587	22	0·593	8·009
18588	21	7·019	8·950
18589	10	7·085	8·612
18590*	53	8·060	8·709
18591	13	8·077	8·024
18592	30	8·176	8·026
18593	17	11·124	8·676
18594	24	15·862	8·691
18595	20	16·976	8·956
18596*	26	20·971	8·326
18597	19	22·638	8·285
18598	22	25·119	8·101
18599	21	1·232	9·206
18600*	33	8·207	9·848
18601	22	11·113	9·361
18602	30	12·106	9·854
18603	16	12·327	9·624
18604	21	12·383	9·759
18605	19	14·600	9·729
18606	17	15·150	9·992
18607	13	22·661	9·370
18608*	39	24·581	9·067
18609	27	0·340	10·870
18610	22	2·256	10·006
18611	21	2·983	10·507
18612	13	9·555	10·823
18613	16	11·370	10·129
18614	21	11·920	10·694
18615	18	12·234	10·607
18616	21	13·709	10·252
18617	22	13·995	10·605
18618	17	15·070	10·742
18619	16	15·692	10·840
18620	18	18·363	10·954
18621	16	21·318	10·582
18622	16	22·337	10·685
18623	14	25·470	10·896
18624	18	0·289	11·857
18625	14	3·053	11·358
18626	14	4·292	11·311
18627	20	7·747	11·275
18628	21	11·288	11·906
18629	30	12·767	11·288
18630	13	18·400	11·476

No.	d	x	y
18631	14	19·571	11·660
18632	17	20·586	11·443
18633*	45	20·690	11·640
18634	16	3·989	12·409
18635	16	7·449	12·293
18636	16	7·907	12·278
18637	18	12·112	12·409
18638	16	14·372	12·177
18639	11	20·926	12·600
18640	12	21·086	12·755
18641	14	23·569	12·593
18642	13	24·221	12·407
18643	20	1·393	13·820
18644	12	4·382	13·104
18645	18	7·567	13·108
18646	21	10·649	13·087
18647	17	11·086	13·213
18648	27	11·112	13·173
18649	17	11·645	13·618
18650*	34	14·221	13·585
18651*	35	19·780	13·327
18652	14	22·285	13·733
18653	22	22·429	13·320
18654	29	23·288	13·226
18655	41	25·936	13·164
18656	13	3·648	14·108
18657	12	4·555	14·339
18658	11	9·748	14·879
18659	34	14·815	14·002
18660	22	15·199	14·200
18661	22	15·687	14·030
18662	13	23·290	14·997
18663	13	23·881	14·893
18664	13	23·928	14·155
18665*	65	24·954	14·732
18666	12	25·603	14·015
18667	16	10·910	15·749
18668	17	15·234	15·760
18669	26	17·447	15·394
18670	24	20·002	15·811
18671	13	21·774	15·356
18672	21	22·624	15·474
18673	20	1·275	16·266
18674	10	4·574	16·114
18675	17	5·[illegible]16	16·991
18676	26	5·831	16·889
18677	17	10·816	16·538
18678	22	11·101	16·654
18679	15	11·939	16·519
18680	28	12·147	16·900
18681	14	12·757	16·473
18682	15	13·925	16·650
18683	14	22·041	16·871
18684	15	23·125	16·121
18685	13	25·917	16·510
18686	18	0·904	17·797
18687	22	3·135	17·090
18688	22	3·641	17·167
18689	13	5·440	17·143
18690	16	5·805	17·533
18691	19	6·336	17·821
18692	12	8·726	17·337
18693	13	9·299	17·470
18694	14	10·846	17·780
18695	11	13·030	17·670
18696	14	15·814	17·383
18697	24	17·616	17·504
18698	18	22·958	17·100
18699	15	24·856	17·888
18700	21	25·145	17·755
18701	60	0·049	18·960
18702	22	6·541	18·320
18703	17	6·660	18·846
18704	13	9·383	18·014

No.	d	x	y
18705	16	10·740	18·586
18706	15	16·341	18·091
18707	18	19·532	18·234
18708	12	23·084	18·732
18709	13	0·978	19·431
18710	22	7·625	19·795
18711*	41	8·373	19·571
18712	12	12·182	19·482
18713	17	16·234	19·370
18714	12	17·019	19·377
18715*	27	18·664	19·566
18716	12	19·091	19·848
18717	15	20·939	19·782
18718*	33	22·833	19·110
18719	12	23·207	19·029
18720*	33	0·522	20·619
18721	28	1·170	20·276
18722	22	2·173	20·000
18723	12	5·479	20·331
18724	12	6·782	20·509
18725	11	7·372	20·476
18726	28	7·560	20·048
18727	26	8·060	20·711
18728	20	8·201	20·363
18729*	31	9·405	20·940
18730	13	12·800	20·634
18731	12	13·628	20·530
18732	12	14·530	20·214
18733	12	15·780	20·076
18734*	31	16·316	20·126
18735*	38	16·688	20·933
18736	12	19·455	20·815
18737	29	23·619	20·160
18738	20	25·855	20·007
18739	18	0·218	21·964
18740	23	1·832	21·290
18741	15	2·569	21·827
18742	20	3·163	21·945
18743	20	6·180	21·653
18744	19	6·962	21·449
18745	11	9·358	21·863
18746	18	10·326	21·080
18747	13	11·569	21·377
18748	13	12·786	21·631
18749	13	13·122	21·932
18750	14	14·108	21·571
18751	12	19·376	21·443
18752	12	19·588	21·204
18753	11	20·427	21·097
18754	14	20·874	21·544
18755	18	20·987	21·960
18756	11	22·285	21·383
18757	11	22·424	21·089
18758	22	24·570	21·156
18759	13	25·804	21·576
18760	26	25·926	21·650
18761*	41	1·157	22·719
18762	25	3·169	22·007
18763	13	4·918	22·509
18764	22	6·922	22·227
18765	22	8·475	22·309
18766	13	9·535	22·835
18767	22	10·430	22·190
18768	10	11·644	22·251
18769	16	12·361	22·130
18770	22	13·219	22·450
18771	17	16·906	22·033
18772	13	19·560	22·510
18773	15	21·649	22·135
18774	18	22·582	22·619
18775	22	23·181	22·670
18776	22	6·880	23·728
18777	22	9·111	23·786
18778	18	9·323	23·686

No.	d	x	y
18779	17	10·065	23·44
18780	15	20·168	23·34
18781	24	20·186	23·93
18782	10	22·833	23·02
18783*	55	23·348	23·60
18784	18	25·370	23·32
18785	22	3·268	24·50
18786	13	7·539	24·51
18787	20	7·696	24·30
18788	14	8·763	24·25
18789	15	13·351	24·29
18790	15	17·027	24·79
18791	15	21·454	24·60
18792	25	6·885	25·49
18793	22	7·673	25·73
18794	13	8·114	25·01
18795	20	10·764	25·04
18796	11	14·643	25·87
18797*	20	17·069	25·76
18798	21	18·797	25·48
18799	14	19·088	25·71
18800	22	20·560	25·67
18801	18	22·487	25·51
18802	20	22·519	25·09
18803	22	22·620	25·03
18804	13	23·127	25·10
18805	17	24·611	25·55
18806	20	24·838	25·59
18807	29	25·337	25·42

R. A. 7h 16m

Plate 2202; 1903 Mar. 22.

Provisional Constants.

A	B	C
−·00028	−·00012	+·056
D	**E**	**F**
+·00020	−·00035	−·051

Mag. = 17·0 − 1·36√d

No.	d	x	y
18901	23	0·521	0·07
18902	33	0·919	0·57
18903	21	6·820	0·89
18904	11	7·752	0·77
18905	21	11·643	0·56
18906	13	12·425	0·76
18907	18	14·678	0·82
18908	12	16·198	0·70
18909	23	19·613	0·69
18910	11	19·740	0·85
18911	20	19·959	0·05
18912	10	22·311	0·89
18913	22	23·016	0·29
18914*	26	23·230	0·55
18915	18	2·683	1·60
18916	22	5·741	1·93
18917	19	6·142	1·22
18918	13	6·824	1·95
18919	14	7·144	1·02
18920	13	10·843	1·96
18921	22	11·737	1·24
18922	10	12·080	1·01

18923	13	12·253	1·855	18997	12	13·531	5·389	19071	22	20·768	8·408	19145	14	2·295	13·784	19219	14	5·268	16·100
18924*	48	12·373	1·259	18998	16	13·600	5·665	19072	9	24·030	8·949	19146	15	2·594	13·896	19220	21	6·300	16·835
18925*	41	13·674	1·144	18999	15	13·797	5·340	19073	11	25·014	8·594	19147	13	2·802	13·690	19221	20	8·140	16·150
18926	12	14·174	1·864	19000	13	14·653	5·840	19074	17	3·407	9·830	19148*	45	2·910	13·039	19222	11	10·300	16·321
18927	17	14·925	1·400	19001	16	17·462	5·770	19075	13	3·495	9·725	19149	12	3·381	13·323	19223	12	10·536	16·430
18928	22	15·287	1·514	19002	14	17·492	5·859	19076	13	3·952	9·699	19150	11	4·680	13·181	19224*	43	11·582	16·208
18929	10	15·755	1·231	19003	10	17·631	5·644	19077	14	4·145	9·769	19151	11	5·352	13·055	19225*	20	11·732	16·210
18930	10	18·330	1·530	19004	10	18·825	5·455	19078	19	6·829	9·167	19152	13	9·133	13·622	19226	22	12·644	16·650
18931	13	18·569	1·957	19005*	22	19·285	5·503	19079	14	8·196	9·153	19153	20	10·941	13·788	19227	14	18·339	16·186
18932	14	18·854	1·144	19006	14	20·988	5·980	19080	13	8·875	9·630	19154*	36	11·240	13·674	19228	11	21·091	16·191
18933	11	19·673	1·113	19007	21	21·183	5·521	19081	22	10·450	9·766	19155	18	12·339	13·430	19229	33	22·133	16·851
18934	10	20·568	1·641	19008	16	22·198	5·447	19082	16	12·101	9·918	19156	22	12·446	13·289	19230	14	23·750	16·641
18935	10	21·020	1·656	19009	11	23·394	5·037	19083	22	17·181	9·246	19157*	37	12·833	13·631	19231	21	23·873	16·091
18936	24	1·337	2·935	19010	12	24·394	5·801	19084	14	18·637	9·019	19158	13	13·299	13·629	19232	11	25·275	16·352
18937	20	3·501	2·402	19011	25	0·217	6·828	19085	9	20·607	9·692	19159	19	15·081	13·474	19233	28	0·002	17·029
18938	22	5·442	2·888	19012	14	3·355	6·406	19086	13	21·952	9·763	19160	22	15·763	13·720	19234	22	1·920	17·782
18939	13	6·514	2·319	19013	12	3·885	6·580	19087	10	23·404	9·960	19161	29	17·491	13·631	19235	24	2·206	17·645
18940	13	7·620	2·606	19014	12	5·837	6·894	19088*	33	23·474	9·214	19162	13	17·907	13·760	19236	13	2·938	17·594
18941	12	8·140	2·841	19015*	29	8·490	6·170	19089	11	23·848	9·870	19163	21	18·706	13·384	19237	13	3·374	17·611
18942	10	8·990	2·651	19016	14	9·492	6·374	19090	12	24·029	9·399	19164*	28	18·868	13·566	19238	9	6·603	17·660
18943	10	9·306	2·298	19017	9	11·700	6·809	19091	14	24·537	9·155	19165	15	19·368	13·892	19239	13	7·495	17·609
18944	14	9·327	2·400	19018*	36	12·590	6·570	19092	20	25·173	9·910	19166	14	20·372	13·256	19240	10	7·629	17·548
18945	13	9·570	2·708	19019	14	13·552	6·267	19093	22	2·404	10·780	19167	11	21·040	13·429	19241	20	8·120	17·657
18946	19	10·784	2·431	19020	9	13·744	6·453	19094	12	3·334	10·443	19168	9	21·471	13·433	19242	9	9·013	17·892
18947	14	13·004	2·864	19021	14	14·228	6·600	19095	25	6·080	10·764	19169	14	22·456	13·130	19243	15	9·107	17·702
18948	10	14·250	2·446	19022	10	14·415	6·292	19096	16	6·297	10·111	19170	11	23·295	13·163	19244	10	9·157	17·201
18949	11	15·190	2·822	19023	15	14·630	6·200	19097	11	6·542	10·689	19171	17	24·285	13·014	19245	12	11·053	17·848
18950	13	17·906	2·200	19024	18	15·977	6·679	19098	12	7·559	10·163	19172	22	0·295	14·921	19246	17	11·557	17·434
18951	10	17·973	2·340	19025	22	16·284	6·644	19099	13	7·787	10·013	19173	21	0·888	14·806	19247	12	13·617	17·551
18952	11	19·622	2·661	19026	26	17·452	6·425	19100	11	8·237	10·022	19174	16	0·921	14·067	19248	15	15·255	17·094
18953	10	23·791	2·360	19027	10	18·435	6·517	19101	17	9·920	10·401	19175*	73	1·958	14·621	19249	12	15·963	17·441
18954	15	2·720	3·056	19028	18	18·950	6·384	19102	15	13·355	10·370	19176	12	6·180	14·881	19250	15	16·710	17·670
18955	15	2·876	3·348	19029	10	19·003	6·476	19103	16	16·277	10·609	19177	12	6·227	14·017	19251	12	17·987	17·747
18956	17	5·023	3·279	19030	16	19·602	6·169	19104	16	17·476	10·452	19178	11	6·430	14·940	19252	15	18·094	17·795
18957	24	5·260	3·707	19031	12	21·863	6·684	19105	15	20·081	10·443	19179	12	7·714	14·400	19253	10	19·951	17·960
18958	22	6·904	3·749	19032	22	22·155	6·709	19106	15	25·821	10·312	19180	17	7·846	14·547	19254	13	20·237	17·960
18959	10	7·151	3·957	19033	12	24·251	6·860	19107	11	1·822	11·391	19181	14	8·441	14·131	19255	16	22·580	17·397
18960	14	7·547	3·989	19034	12	24·585	6·779	19108	11	3·277	11·452	19182	13	8·580	14·310	19256	12	22·643	17·810
18961	13	10·630	3·480	19035	9	24·765	6·796	19109	12	3·772	11·670	19183	9	8·878	14·597	19257	22	23·660	17·705
18962	13	12·127	3·594	19036	21	25·203	6·319	19110	11	6·584	11·231	19184	14	8·898	14·414	19258	20	25·201	17·889
18963	22	15·683	3·471	19037	15	0·643	7·545	19111	14	7·869	11·236	19185	24	10·926	14·137	19259	14	25·959	17·386
18964*	23	23·439	3·003	19038*	40	1·202	7·700	19112	27	10·500	11·038	19186	21	13·277	14·773	19260	14	0·163	18·660
18965	10	24·647	3·804	19039	27	1·999	7·990	19113	14	13·055	11·414	19187	19	15·044	14·017	19261	20	0·290	18·955
18966	30	0·077	4·318	19040	10	3·149	7·514	19114	15	15·399	11·641	19188	22	17·610	14·260	19262	13	0·425	18·391
18967	17	0·819	4·438	19041	22	7·428	7·944	19115*	30	18·340	11·485	19189	13	19·274	14·756	19263	14	3·318	18·844
18968	14	3·057	4·018	19042	11	7·770	7·237	19116	12	20·116	11·006	19190	22	21·604	14·330	19264	16	3·356	18·130
18969	12	5·898	4·301	19043	27	8·483	7·878	19117	28	20·634	11·986	19191	15	22·693	14·837	19265	13	4·012	18·170
18970	13	8·148	4·428	19044	14	9·479	7·496	19118	14	24·104	11·194	19192	13	23·489	14·190	19266	19	4·388	18·611
18971	11	12·992	4·294	19045	10	10·089	7·199	19119	22	25·680	11·410	19193	22	24·540	14·206	19267	12	4·822	18·276
18972	14	14·360	4·430	19046	16	13·033	7·479	19120	20	0·534	12·510	19194	22	24·570	14·244	19268	14	5·800	18·759
18973	14	14·809	4·725	19047	33	13·950	7·910	19121	22	1·182	12·313	19195	14	25·285	14·905	19269	13	5·884	18·554
18974	14	15·684	4·500	19048	10	14·882	7·900	19122	14	1·465	12·621	19196	17	25·634	14·289	19270	19	6·278	18·849
18975	12	16·053	4·730	19049	11	15·695	7·375	19123	14	2·705	12·048	19197	12	25·907	14·404	19271	19	8·182	18·766
18976	10	16·395	4·656	19050	17	16·638	7·796	19124	16	4·377	12·560	19198	14	1·626	15·082	19272	20	9·711	18·489
18977	14	16·867	4·797	19051	11	17·764	7·086	19125*	30	8·024	12·969	19199	12	3·904	15·981	19273	16	11·840	18·633
18978	10	18·347	4·807	19052	9	19·194	7·676	19126	13	10·141	12·550	19200	12	5·022	15·238	19274	11	16·406	18·037
18979	11	18·568	4·064	19053	11	23·349	7·986	19127	22	10·943	12·160	19201	12	6·328	15·560	19275	27	17·042	18·079
18980	10	19·021	4·806	19054	9	24·630	7·673	19128	26	15·470	12·004	19202	13	7·759	15·700	19276	12	17·631	18·981
18981	22	19·417	4·296	19055	13	25·000	7·431	19129	31	15·803	12·817	19203	24	11·170	15·724	19277	25	18·956	18·087
18982	14	22·446	4·993	19056	17	0·201	8·702	19130	15	16·092	12·685	19204	24	14·344	15·930	19278	14	20·493	18·397
18983	12	22·925	4·122	19057*	48	1·480	8·969	19131	14	16·143	12·357	19205	13	15·563	15·761	19279	10	21·423	18·820
18984	12	25·708	4·539	19058	10	4·262	8·842	19132	13	18·886	12·600	19206	14	17·020	15·660	19280	14	21·567	18·841
18985	8	25·942	4·610	19059	12	4·521	8·435	19133	24	20·535	12·319	19207	14	19·732	15·423	19281	21	23·555	18·397
18986	26	3·549	5·369	19060	11	4·636	8·611	19134	12	20·977	12·376	19208	14	20·533	15·820	19282	10	24·501	18·573
18987	17	7·174	5·758	19061	14	5·362	8·877	19135	11	23·094	12·664	19209	17	21·358	15·579	19283	36	25·096	18·856
18988	13	7·360	5·255	19062	20	6·290	8·971	19136	15	23·372	12·366	19210	12	22·360	15·414	19284	10	25·195	18·704
18989	10	7·786	5·839	19063	11	6·350	8·545	19137	14	23·436	12·858	19211	14	22·942	15·451	19285	18	2·636	19·990
18990	12	8·047	5·283	19064	22	8·871	8·946	19138	10	24·283	12·201	19212	11	25·889	15·100	19286	26	2·954	19·884
18991	13	9·770	5·959	19065	13	10·880	8·260	19139	11	24·956	12·137	19213	22	0·154	16·046	19287	19	4·349	19·526
18992	12	10·676	5·950	19066	12	12·044	8·916	19140	12	25·820	12·589	19214	15	0·572	16·607	19288	10	6·531	19·790
18993	10	10·709	5·314	19067	12	13·515	8·196	19141	14	25·921	12·870	19215	17	1·117	16·690	19289*	31	7·545	19·573
18994	22	11·414	5·685	19068	18	13·576	8·240	19142	40	0·263	13·148	19216	16	2·280	16·894	19290	17	8·374	19·115
18995	10	11·635	5·076	19069	19	17·570	8·589	19143	15	1·147	13·067	19217	16	2·955	16·385	19291	13	9·396	19·400
18996	12	12·238	5·721	19070	16	19·476	8·023	19144	12	1·649	13·962	19218	14	4·768	16·110	19292	12	10·789	19·762

No.	d	x	y
19293	10	13·417	19·910
19294	17	13·734	19·542
19295	22	14·663	19·951
19296	15	16·733	19·178
19297	11	17·234	19·529
19298	12	20·571	19·162
19299	13	21·701	19·902
19300	14	22·415	19·366
19301	15	22·437	19·014
19302	10	23·150	19·010
19303	16	23·383	19·963
19304	9	24·546	19·782
19305	37	0·725	20·078
19306	23	4·582	20·164
19307	14	4·932	20·216
19308	11	5·210	20·903
19309	13	5·348	20·589
19310	12	6·442	20·236
19311*	26	8·822	20·980
19312*	29	8·830	20·700
19313	21	9·275	20·878
19314	10	10·526	20·455
19315	8	10·536	20·237
19316	10	11·059	20·559
19317	12	11·092	20·510
19318	10	11·884	20·050
19319	9	13·000	20·322
19320	12	13·325	20·780
19321	28	16·771	20·314
19322	14	16·941	20·260
19323*	31	17·276	20·560
19324	12	19·630	20·224
19325	11	20·171	20·457
19326	14	21·401	20·107
19327	11	23·007	20·880
19328	13	24·116	20·437
19329	14	25·417	20·611
19330	28	25·464	20·760
19331	30	1·691	21·056
19332	17	2·931	21·452
19333	33	3·058	21·524
19334	13	4·144	21·782
19335	14	5·509	21·968
19336	13	6·594	21·040
19337	12	6·686	21·164
19338	14	7·960	21·809
19339	11	8·948	21·360
19340	11	10·441	21·133
19341	27	10·543	21·653
19342	10	10·757	21·218
19343	10	11·310	21·760
19344	10	12·928	21·040
19345	15	14·590	21·254
19346	13	15·076	21·822
19347	14	16·737	21·404
19348	15	17·700	21·477
19349	18	19·537	21·854
19350	9	20·349	21·557
19351	20	20·747	21·341
19352	12	23·563	21·412
19353	11	23·988	21·048
19354	22	24·776	21·990
19355	30	0·330	22·599
19356	24	3·897	22·414
19357	16	3·960	22·162
19358	18	4·114	22·214
19359	15	6·536	22·913
19360	17	8·115	22·591
19361*	37	10·063	22·549
19362	12	10·961	22·530
19363	11	12·433	22·327
19364	15	13·707	22·191
19365	10	13·858	22·631
19366	14	14·406	22·889
19367	9	14·924	22·793
19368	9	15·512	22·977
19369	14	16·067	22·552
19370	12	16·140	22·550
19371	11	16·507	22·212
19372	21	18·364	22·123
19373	12	18·479	22·753
19374	20	22·268	22·974
19375	10	23·250	22·858
19376*	43	23·894	22·828
19377*	36	24·299	22·621
19378	14	25·670	22·190
19379*	90	0·518	23·524
19380	17	2·533	23·214
19381	18	3·507	23·403
19382	17	5·095	23·629
19383	16	7·024	23·062
19384	29	7·384	23·239
19385	19	7·928	23·413
19386*	40	9·240	23·725
19387	11	13·131	23·051
19388	12	13·405	23·611
19389	22	13·740	23·989
19390	10	14·931	23·682
19391	12	15·264	23·186
19392	11	16·623	23·761
19393	24	18·169	23·554
19394	20	19·336	23·281
19395	12	19·619	23·308
19396	12	20·244	23·245
19397	10	22·431	23·560
19398	13	23·091	23·983
19399	22	5·420	24·374
19400	23	7·560	24·411
19401	22	9·140	24·056
19402	23	10·245	24·038
19403	15	10·311	24·164
19404	22	14·595	24·465
19405	12	15·635	24·153
19406	12	16·641	24·260
19407	14	17·505	24·628
19408	20	17·806	24·010
19409	22	19·060	24·924
19410	10	19·906	24·503
19411	16	19·950	24·770
19412	22	21·917	24·917
19413	12	23·312	24·020
19414*	40	24·596	24·409
19415	17	1·814	25·451
19416	25	2·044	25·494
19417	44	2·536	25·313
19418	15	6·307	25·357
19419	22	6·566	25·019
19420	14	9·046	25·375
19421	12	9·053	25·397
19422	15	9·217	25·287
19423	12	9·244	25·076
19424	10	10·268	25·922
19425	12	10·977	25·717
19426	14	12·493	25·951
19427	13	12·534	25·486
19428	10	16·364	25·671
19429	11	18·440	25·084
19430	15	18·544	25·304
19431	16	21·317	25·918
19432	9	23·416	25·316
19433	25	25·502	25·731

R. A. 7h 25m

Plate 2318; 1903 Oct. 30.

Provisional Constants.

A	B	C
−·00069	+·00134	−·1409
D	**E**	**F**
−·00113	−·00043	+·1126

Mag. = 16·6 − 1·36 $\sqrt{d}$

No.	d	x	y
19501	31	9·034	0·687
19502	10	10·818	0·601
19503	10	10·890	0·567
19504	12	15·493	0·599
19505	22	15·835	0·490
19506	12	21·857	0·869
19507	14	23·315	0·770
19508*	22	24·449	0·818
19509	22	6·765	1·715
19510*	26	11·184	1·547
19511	10	12·864	1·912
19512	14	15·608	1·344
19513	21	16·301	1·831
19514	13	20·379	1·000
19515	10	21·680	1·287
19516	21	22·435	1·325
19517	12	22·469	1·542
19518*	32	2·690	2·018
19519	22	3·531	2·988
19520	14	8·199	2·044
19521	12	9·096	2·819
19522	27	22·144	2·160
19523	13	7·814	3·880
19524	11	9·464	3·424
19525	13	11·666	3·719
19526	12	12·931	3·705
19527	11	14·119	3·107
19528	32	15·612	3·301
19529	20	15·962	3·449
19530	13	17·276	3·119
19531	14	17·327	3·865
19532	9	19·450	3·282
19533	10	20·473	3·540
19534	13	20·900	3·927
19535	14	23·315	3·543
19536	11	23·989	3·574
19537	13	3·182	4·402
19538	12	4·269	4·255
19539	14	5·264	4·460
19540	12	8·259	4·874
19541	12	9·313	4·861
19542	22	11·101	4·190
19543	22	11·669	4·611
19544	23	14·009	4·056
19545	13	16·169	4·682
19546	13	20·769	4·945
19547	12	22·171	4·850
19548	12	24·455	4·611
19549	13	25·930	4·083
19550	13	6·009	5·158
19551	11	9·324	5·567
19552	11	13·019	5·341
19553	10	13·575	5·403
19554	11	22·404	5·855
19555	21	22·821	5·043
19556	10	22·890	5·172
19557	11	23·195	5·291
19558	13	1·742	6·465
19559	13	3·495	6·212
19560	15	7·335	6·421
19561	12	8·451	6·600
19562	13	13·845	6·329
19563	21	14·330	6·261
19564	11	15·337	6·617
19565	12	15·600	6·015
19566	22	19·605	6·378
19567	10	19·688	6·727
19568	12	21·693	6·660
19569	13	22·408	6·327
19570*	34	23·443	6·589
19571	11	23·609	6·115
19572	12	4·370	7·064
19573*	37	4·428	7·475
19574	12	6·337	7·882
19575	22	6·944	7·623
19576	11	11·060	7·077
19577	13	14·564	7·959
19578	12	16·121	7·217
19579	11	20·677	7·677
19580	13	3·022	8·877
19581	13	4·085	8·072
19582	11	9·090	8·018
19583	13	12·235	8·660
19584	22	17·308	8·750
19585	13	17·645	8·295
19586*	33	20·050	8·275
19587	13	22·519	8·289
19588*	31	0·078	9·398
19589	12	1·136	9·315
19590	13	2·949	9·838
19591	19	4·369	9·127
19592	10	6·378	9·050
19593	13	13·484	9·074
19594	13	17·565	9·770
19595	11	25·721	9·480
19596	18	1·790	10·058
19597	13	4·015	10·961
19598	20	4·797	10·381
19599	22	6·279	10·054
19600	12	7·605	10·705
19601	15	7·616	10·714
19602	21	8·050	10·485
19603	12	8·539	10·708
19604	15	9·569	10·576
19605	13	11·557	10·021
19606*	42	11·755	10·485
19607*	35	12·044	10·385
19608	13	17·940	10·368
19609	22	23·915	10·546
19610	11	24·079	10·783
19611	11	24·570	10·316
19612	12	0·750	11·363
19613	22	2·328	11·547
19614	13	4·503	11·820
19615	12	6·821	11·509
19616	11	8·315	11·136
19617	22	15·877	11·931
19618*	43	18·501	11·201
19619	12	24·011	11·762
19620	10	25·732	11·629
19621	13	0·042	12·550
19622	12	2·494	12·720
19623	23	4·528	12·780
19624	10	7·336	12·785
19625	20	8·220	12·600
19626	10	10·199	12·274
19627	21	16·944	12·540
19628	12	19·434	12·029
19629*	32	24·569	12·273
19630	13	24·680	12·280
19631	12	0·118	13·040
19632	15	0·971	13·181
19633	10	2·604	13·000
19634	13	6·380	13·860
19635	13	6·904	13·850
19636	14	8·380	13·260
19637	13	14·520	13·466
19638	13	17·674	13·289
19639	12	18·343	13·511
19640*	33	18·566	13·978
19641	13	19·212	13·748
19642	22	21·314	13·349
19643	21	21·525	13·496
19644	12	21·764	13·305
19645	22	22·835	13·480
19646	20	1·250	14·363
19647	20	1·284	14·401
19648	13	2·345	14·422
19649	10	2·621	14·535
19650	12	5·900	14·676
19651	11	9·757	14·726
19652	13	11·455	14·146
19653	20	14·517	14·916
19654*	32	14·607	14·774
19655	13	15·281	14·170
19656	12	18·408	14·175
19657	12	22·677	14·529
19658	12	22·929	14·088
19659	11	24·677	14·058
19660	12	2·010	15·048
19661*	32	7·327	15·711
19662	11	7·509	15·645
19663	13	9·757	15·473
19664	13	9·842	15·040
19665	12	13·191	15·329
19666	11	18·355	15·822
19667	22	22·535	15·001
19668*	62	22·602	15·262
19669	12	23·766	15·930
19670	14	24·542	15·528
19671	12	0·514	16·816
19672	21	0·624	16·265
19673	13	4·435	16·220
19674	12	4·439	16·618
19675	18	4·499	16·319
19676	15	8·902	16·789
19677	13	9·445	16·276
19678	10	11·255	16·321
19679	12	12·398	16·000
19680	13	12·940	16·152
19681*	40	15·166	16·854
19682	13	16·434	16·006
19683	10	17·288	16·933
19684	19	19·514	16·215
19685	10	20·131	16·393
19686	13	22·293	16·350
19687	12	22·655	16·005
19688	15	23·111	16·125
19689	15	25·418	16·767
19690	22	0·448	17·880
19691	13	2·738	17·511
19692	22	3·414	17·349
19693	33	5·155	17·036
19694	12	9·837	17·925
19695*	34	10·424	17·329
19696	21	11·024	17·819
19697	13	12·325	17·589
19698	13	13·324	17·939
19699	11	14·515	17·733
19700	11	15·019	17·295
19701	12	15·665	17·277
19702	13	16·969	17·137
19703	12	18·109	17·451
19704*	22	21·373	17·090

No.	d	x	y
19705	12	23·764	17·855
19706	19	24·714	17·339
19707	25	25·901	17·117
19708	13	0·356	18·575
19709	13	1·991	18·030
19710	12	5·712	18·952
19711	22	7·238	18·057
19712	22	7·544	18·309
19713	12	8·919	18·610
19714*	22	10·396	18·829
19715	21	13·390	18·481
19716	12	14·815	18·391
19717	22	15·104	18·261!
19718	13	19·192	18·691
19719*	36	20·527	18·483
19720	11	21·054	18·905
19721*	24	21·100	18·127
19722	21	22·905	18·401
19723	12	23·492	18·224
19724	21	24·345	18·400
19725	22	25·166	18·811
19726	22	1·905	19·000
19727	11	4·360	19·239
19728	27	4·400	19·010
19729	13	9·034	19·000
19730	11	9·215	19·151
19731	22	16·085	19·864
19732	13	16·374	19·800
19733	10	16·584	19·963
19734*	32	16·675	19·046
19735	12	17·164	19·837
19736	23	17·324	19·126
19737	13	17·730	19·680
19738	12	18·525	19·285
19739	13	22·282	19·560
19740	12	23·259	19·562
19741	11	25·705	19·296
19742	13	0·216	20·144
19743	22	2·317	20·895
19744	12	3·478	20·341
19745	13	3·533	20·101
19746	11	4·579	20·158
19747	11	4·728	20·452
19748	10	4·813	20·940
19749	13	6·840	20·293
19750	18	7·011	20·884
19751	12	7·843	20·518
19752	22	13·003	20·339
19753	13	13·720	20·229
19754	12	13·733	20·112
19755	10	16·811	20·673
19756	12	17·734	20·715
19757	20	22·284	20·804
19758	13	23·712	20·955
19759*	23	4·341	21·710
19760	22	5·190	21·550
19761	13	8·694	21·710
19762*	37	10·598	21·933
19763	11	12·608	21·355
19764	10	15·316	21·000
19765	11	15·601	21·139
19766	12	16·300	21·539
19767	12	17·120	21·366
19768	14	18·605	21·123
19769	12	19·095	21·557
19770*	36	24·537	21·307
19771*	45	0·793	22·996
19772*	32	1·194	22·781
19773	20	1·655	22·139
19774	10	3·466	22·598
19775	22	5·686	22·916
19776	13	6·270	22·717
19777	13	6·275	22·886
19778	22	6·670	22·002

No.	d	x	y
19779	15	6·785	22·580
19780	15	8·170	22·615
19781*	32	11·209	22·295
19782	20	12·724	22·640
19783	10	13·269	22·037
19784	13	14·431	22·209
19785	18	14·710	22·584
19786	10	15·179	22·829
19787	19	15·737	22·504
19788	12	17·881	22·320
19789	10	18·560	22·874
19790	12	21·159	22·268
19791	11	5·684	23·407
19792*	28	7·190	23·261
19793	23	7·814	23·017
19794	14	8·017	23·649
19795	13	8·977	23·262
19796	11	11·180	23·500
19797	11	15·811	23·719
19798	19	19·181	23·450
19799	23	19·591	23·661
19800	11	19·978	23·060
19801	13	20·797	23·125
19802	18	20·919	23·649
19803*	33	25·673	23·774
19804*	34	1·529	24·561
19805	18	3·669	24·140
19806	13	5·450	24·784
19807	22	5·489	24·597
19808*	90	6·989	24·917
19809	13	8·077	24·045
19810	13	9·069	24·799
19811	32	12·518	24·751
19812	10	17·173	24·425
19813*	31	18·362	24·012
19814	13	19·987	24·489
19815	12	21·259	24·171
19816	13	22·246	24·127
19817	11	22·280	24·673
19818	12	22·751	24·782
19819	13	23·049	24·411
19820	10	5·650	25·311
19821*	42	5·725	25·922
19822	20	6·330	25·181
19823	13	7·975	25·763
19824	24	13·958	25·905
19825	13	15·151	25·900
19826	11	16·753	25·145
19827	11	16·929	25·023
19828	33	17·631	25·067
19829	22	19·294	25·334
19830	13	19·509	25·676
19831	23	20·603	25·899
19832	19	23·745	25·350
19833	21	24·926	25·915
19834	13	25·021	25·309
19835	20	25·784	25·337

R. A. 7h 34m

Plate 2319; 1903 Oct. 30.

Provisional Constants.

A	B	C
−·00063	+·00280	+·0303
D	**E**	**F**
−·00265	−·00074	+·0458

Mag. = $16{\cdot}8 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
19901*	40	1·243	0·773
19902	14	7·750	0·281
19903	11	11·259	0·799
19904	14	12·065	0·029
19905	16	23·591	0·381
19906	24	24·990	0·964
19907	27	3·194	1·446
19908*	55	3·560	1·106
19909	13	7·236	1·992
19910	14	7·738	1·831
19911	14	14·080	1·694
19912*	31	19·875	1·847
19913	10	20·680	1·470
19914	34	3·193	2·563
19915	32	5·153	2·168
19916	19	8·540	2·852
19917	13	10·168	2·710
19918*	32	12·196	2·538
19919	19	14·282	2·229
19920	14	21·297	2·311
19921	10	23·214	2·860
19922	28	0·171	3·520
19923*	41	4·681	3·909
19924*	27	11·868	3·473
19925*	22	12·786	3·020
19926	16	14·016	3·546
19927	12	16·114	3·611
19928	12	22·504	3·696
19929	14	24·558	3·838
19930	16	2·794	4·004
19931	14	2·949	4·759
19932	30	3·610	4·065
19933	11	7·420	4·173
19934	10	10·136	4·691
19935	20	13·652	4·536
19936	11	13·737	4·230
19937	16	13·769	4·524
19938	10	16·473	4·383
19939	23	18·836	4·550
19940	10	19·260	4·727
19941	14	22·131	4·773
19942	10	25·683	4·320
19943	15	3·464	5·251
19944	10	7·190	5·314
19945	16	8·290	5·341
19946	14	9·580	5·230
19947	15	10·190	5·772
19948*	32	13·136	5·261
19949	18	16·548	5·772
19950	14	17·937	5·676
19951*	48	18·266	5·822
19952	15	20·760	5·000
19953	21	21·007	5·717
19954	10	21·610	5·235
19955	14	23·309	5·530
19956*	53	0·362	6·566

No.	d	x	y
19957	15	7·225	6·817
19958	18	16·174	6·580
19959	18	23·740	6·860
19960	23	25·515	6·733
19961	17	25·619	6·813
19962	11	2·970	7·563
19963	12	5·874	7·828
19964*	21	7·594	7·825
19965	10	9·130	7·901
19966	12	10·494	7·083
19967	22	12·055	7·541
19968	12	17·528	7·170
19969	23	19·560	7·875
19970*	32	20·985	7·382
19971	14	5·003	8·416
19972	14	17·997	8·194
19973	20	18·196	8·352
19974	10	18·838	8·177
19975	22	20·812	8·228
19976	11	24·700	8·332
19977	12	25·785	8·273
19978	11	2·701	9·404
19979	12	5·751	9·594
19980	10	8·651	9·652
19981	21	15·458	9·783
19982*	25	18·860	9·926
19983	36	0·920	10·509
19984	13	4·147	10·297
19985	10	5·815	10·302
19986	14	8·074	10·791
19987	14	11·389	10·110
19988	19	13·827	10·188
19989*	32	15·595	10·440
19990	12	18·606	10·682
19991*	30	18·649	10·587
19992	10	9·897	11·607
19993	22	19·875	11·594
19994	13	21·583	11·079
19995	12	22·305	11·689
19996	11	24·431	11·099
19997*	43	1·610	12·224
19998	23	1·724	12·226
19999	11	4·254	12·647
20000*	30	7·874	12·080
20001	10	9·920	12·250
20002	13	13·419	12·548
20003	16	13·640	12·097
20004	10	18·716	12·637
20005	20	18·900	12·500
20006	22	22·237	12·830
20007	22	23·950	12·590
20008	18	3·340	13·214
20009	16	5·556	13·697
20010	14	9·930	13·247
20011	14	11·926	13·112
20012	12	16·219	13·017
20013	24	16·385	13·460
20014	13	20·455	13·120
20015	12	20·478	13·814
20016	19	21·569	13·308
20017	21	23·432	13·595
20018	9	23·915	13·977
20019	15	24·801	13·990
20020	13	25·461	13·533
20021	10	4·688	14·214
20022	14	10·715	14·403
20023	11	11·309	14·679
20024	16	16·234	14·580
20025	16	0·885	15·895
20026	21	1·654	15·477
20027	11	3·907	15·146
20028	12	7·695	15·190
20029	14	8·114	15·739
20030	20	12·000	15·319

No.	d	x	y
20031	13	13·066	15·633
20032	18	17·447	15·719
20033	13	18·336	15·937
20034*	30	18·655	15·476
20035	19	19·136	15·936
20036	12	20·400	15·155
20037	14	23·180	15·630
20038	28	23·792	15·615
20039	10	24·080	15·607
20040	18	25·820	15·892
20041	31	0·240	16·104
20042	21	2·556	16·695
20043	23	11·271	16·262
20044	12	15·706	16·532
20045	10	15·964	16·684
20046	13	22·917	16·292
20047	11	23·476	16·010
20048	13	24·036	16·678
20049	16	0·929	17·820
20050	23	1·865	17·284
20051*	30	3·049	17·036
20052	22	4·674	17·733
20053	12	8·398	17·667
20054	23	9·210	17·285
20055	13	10·716	17·934
20056	21	12·276	17·272
20057	10	21·515	17·922
20058	10	22·974	17·061
20059	11	23·542	17·860
20060	13	23·580	17·923
20061*	40	24·062	17·255
20062	41	0·080	18·385
20063	37	1·520	18·353
20064	30	2·350	18·748
20065	19	4·025	18·611
20066	9	5·096	18·184
20067	12	11·356	18·171
20068	10	12·024	18·142
20069*	30	18·425	18·327
20070*	27	18·621	18·659
20071*	31	20·161	18·750
20072	13	20·233	18·335
20073	12	21·496	18·213
20074	10	22·070	18·560
20075	14	24·662	18·780
20076	22	0·457	19·537
20077	22	4·514	19·501
20078	10	6·041	19·182
20079	11	7·411	19·548
20080*	31	8·060	19·681
20081	22	14·450	19·484
20082	16	20·365	19·947
20083	16	22·951	19·571
20084	14	25·542	19·624
20085	14	5·260	20·186
20086	10	7·263	20·570
20087	9	7·961	20·712
20088	20	8·456	20·453
20089	11	9·899	20·800
20090	19	10·766	20·495
20091	11	12·255	20·120
20092	10	18·515	20·972
20093	12	20·257	20·153
20094	11	20·855	20·490
20095	12	24·166	20·721
20096*	50	1·774	21·255
20097	9	7·424	21·064
20098	14	9·734	21·357
20099	13	15·317	21·667
20100	11	18·190	21·850
20101	19	24·080	21·836
20102	14	3·377	22·248
20103	18	6·975	22·808
20104	13	8·089	22·649

20105	13	8·370	22·465
20106	23	11·715	22·220
20107	18	12·580	22·474
20108	13	15·885	22·412
20109	10	19·541	22·623
20110	13	20·014	22·490
20111	10	21·430	22·981
20112	18	22·755	22·821
20113*	43	2·964	23·695
20114*	50	5·794	23·085
20115	13	10·595	23·092
20116	12	11·870	23·160
20117	11	12·000	23·607
20118	12	12·139	23·094
20119	13	13·057	23·699
20120*	20	15·283	23·900
20121	14	15·495	23·049
20122	11	17·390	23·347
20123	9	20·700	23·135
20124	18	22·100	23·420
20125	14	24·392	23·937
20126	16	25·320	23·611
20127	14	6·710	24·840
20128	13	6·729	24·250
20129	15	7·520	24·709
20130	11	11·210	24·466
20131	21	13·747	24·177
20132	20	23·300	24·565
20133	23	24·580	24·120
20134	21	24·974	24·614
20135	40	1·074	25·314
20136	32	2·264	25·852
20137	27	2·344	25·244
20138	25	3·107	25·257
20139	17	4·947	25·836
20140	23	7·178	25·166
20141	11	9·109	25·566
20142	12	10·180	25·071
20143	14	10·642	25·137
20144	21	10·683	25·553
20145	13	10·792	25·530
20146	14	10·955	25·473
20147	10	12·030	25·209
20148	21	13·333	25·404
20149	11	16·380	25·256
20150	20	17·111	25·182
20151	13	18·900	25·913
20152	19	20·494	25·431

R. A. 7h 43m

Plate 2233; 1903 Apr. 19.

Provisional Constants.

A	B	C
−·00050	+·00287	−·1424
D	E	F
−·00315	−·00048	−·0349

Mag. = 16·7 − 1·36√d

No.	d	x	y
20201	41	0·030	0·385
20202	38	1·443	0·942
20203	21	4·552	0·137
20204	16	7·311	0·778

20205	15	7·388	0·091
20206	14	9·044	0·144
20207	17	9·660	0·196
20208	12	11·104	0·128
20209	12	13·225	0·313
20210	16	13·225	0·009
20211	11	13·545	0·180
20212	13	13·961	0·641
20213	12	14·071	0·829
20214	21	16·320	0·837
20215	13	21·290	0·595
20216	15	21·889	0·292
20217*	23	21·940	0·718
20218	17	22·190	0·903
20219	11	23·730	0·850
20220	22	24·050	0·185
20221	16	3·749	1·288
20222	20	5·347	1·123
20223	10	5·612	1·090
20224	18	7·502	1·061
20225	12	10·590	1·634
20226	10	10·774	1·063
20227	15	14·300	1·688
20228	12	15·108	1·292
20229	11	15·140	1·699
20230	20	16·040	1·645
20231	13	16·464	1·834
20232	12	17·581	1·644
20233	11	18·919	1·981
20234	13	19·636	1·730
20235	18	20·600	1·687
20236	19	20·615	1·698
20237	11	21·594	1·953
20238	17	23·585	1·117
20239	23	0·626	2·153
20240	15	2·659	2·107
20241	17	5·172	2·709
20242	12	5·686	2·450
20243	16	5·807	2·687
20244	13	6·736	2·927
20245	21	8·610	2·502
20246	11	10·471	2·614
20247	19	13·609	2·204
20248	13	14·200	2·390
20249	14	14·450	2·078
20250	10	14·760	2·457
20251	11	15·324	2·963
20252	14	16·083	2·826
20253	13	16·460	2·560
20254	10	16·734	2·255
20255	11	18·196	2·958
20256	13	19·710	2·947
20257	12	22·170	2·139
20258	14	23·458	2·829
20259	15	24·066	2·110
20260	10	24·435	2·030
20261	13	24·944	2·118
20262	18	25·250	2·314
20263	16	25·889	2·876
20264	30	1·071	3·825
20265	15	7·233	3·130
20266	14	7·326	3·227
20267	10	7·841	3·909
20268	16	8·540	3·504
20269	11	8·951	3·819
20270	10	11·960	3·373
20271	14	13·204	3·497
20272	11	13·852	3·600
20273	12	14·343	3·247
20274*	30	14·622	3·147
20275	14	14·779	3·169
20276	12	15·804	3·620
20277	11	16·107	3·850
20278	9	16·605	3·221

20279	11	16·713	3·759
20280	21	17·340	3·923
20281	10	18·046	3·726
20282	12	19·417	3·102
20283*	40	21·290	3·209
20284	13	22·316	3·069
20285	13	22·590	3·533
20286	27	23·939	3·986
20287	13	25·638	3·357
20288	23	2·207	4·284
20289	22	4·578	4·719
20290	14	5·841	4·452
20291	13	6·313	4·250
20292	16	6·450	4·560
20293	12	7·426	4·224
20294	13	7·460	4·800
20295	13	8·560	4·061
20296	14	9·266	4·222
20297	15	9·660	4·466
20298	14	9·727	4·413
20299	20	11·555	4·497
20300	14	11·606	4·012
20301	13	11·916	4·865
20302	13	13·755	4·382
20303	12	19·664	4·255
20304	12	20·175	4·134
20305	10	20·984	4·199
20306	14	21·640	4·009
20307	10	22·695	4·195
20308	22	2·590	5·850
20309	24	3·481	5·356
20310	22	3·545	5·339
20311	14	3·964	5·394
20312	10	4·829	5·598
20313	27	5·734	5·828
20314	12	7·540	5·750
20315	13	7·740	5·153
20316	10	7·906	5·162
20317*	33	8·038	5·057
20318	9	11·253	5·904
20319	21	12·249	5·722
20320	12	13·265	5·407
20321	13	14·524	5·960
20322	22	16·455	5·936
20323	12	17·730	5·034
20324	11	18·656	5·988
20325	13	18·891	5·884
20326	12	20·880	5·163
20327	10	21·568	5·882
20328	10	23·458	5·544
20329	12	23·570	5·460
20330	36	0·314	6·863
20331	34	2·086	6·700
20332	31	2·190	6·778
20333	14	3·725	6·590
20334	20	3·732	6·339
20335	12	5·966	6·521
20336	13	6·424	6·725
20337	18	10·240	6·141
20338	13	11·150	6·102
20339	10	11·560	6·570
20340	13	11·780	6·666
20341	14	14·310	6·908
20342	11	14·654	6·158
20343*	24	19·460	6·932
20344	12	20·397	6·440
20345	9	21·555	6·006
20346	9	22·060	6·768
20347*	23	22·151	6·015
20348	10	23·193	6·239
20349	14	23·485	6·466
20350	10	23·596	6·915
20351	22	1·326	7·144
20352	31	2·918	7·055

20353	12	6·404	7·158
20354	11	8·093	7·591
20355	13	8·884	7·318
20356	16	9·024	7·084
20357	11	10·355	7·721
20358	9	11·729	7·670
20359	16	11·755	7·503
20360	13	13·670	7·530
20361	12	14·309	7·099
20362	12	14·435	7·716
20363	20	14·816	7·857
20364	10	16·786	7·244
20365	11	17·165	7·676
20366*	40	17·360	7·092
20367	18	17·626	7·560
20368	12	18·334	7·089
20369	11	18·407	7·920
20370	10	19·202	7·030
20371	9	20·270	7·149
20372	9	22·018	7·126
20373	13	23·131	7·744
20374	11	23·500	7·406
20375	22	24·245	7·635
20376	18	0·329	8·844
20377	21	1·304	8·317
20378	23	2·384	8·235
20379	21	3·110	8·200
20380	17	3·936	8·225
20381	14	4·036	8·964
20382	13	4·634	8·338
20383	13	4·884	8·885
20384	14	7·544	8·385
20385	14	8·331	8·867
20386	11	10·614	8·321
20387	14	11·155	8·462
20388	13	11·890	8·545
20389	16	12·082	8·223
20390	11	14·128	8·706
20391	14	14·131	8·476
20392	12	14·949	8·867
20393	10	16·364	8·670
20394	15	17·535	8·406
20395	20	19·560	8·014
20396	13	21·535	8·733
20397	24	22·549	8·533
20398	11	23·595	8·797
20399	11	24·132	8·862
20400	14	2·920	9·860
20401	11	3·537	9·700
20402	14	4·293	9·443
20403	22	6·055	9·814
20404	12	6·435	9·862
20405	10	7·166	9·630
20406	19	8·238	9·135
20407	14	12·523	9·736
20408	16	13·780	9·954
20409	19	14·300	9·460
20410	12	18·169	9·413
20411	20	18·490	9·024
20412	12	18·740	9·302
20413	13	19·205	9·023
20414	10	19·534	9·011
20415	19	19·698	9·435
20416	11	20·177	9·760
20417	11	20·257	9·896
20418	10	22·060	9·829
20419	12	22·283	9·350
20420	19	23·852	9·796
20421	18	24·298	9·201
20422	14	24·938	9·605
20423	13	4·101	10·542
20424	10	4·607	10·766
20425	14	4·725	10·908
20426	13	5·140	10·828

20427	10	5·955	10·21
20428	10	8·050	10·91
20429	10	8·800	10·81
20430	15	9·132	10·78
20431	14	9·490	10·80
20432	11	10·537	10·01
20433	14	11·697	10·90
20434	14	12·053	10·37
20435	17	12·735	10·94
20436	14	13·795	10·12
20437	21	14·830	10·76
20438	17	15·018	10·18
20439	12	16·112	10·04
20440	7	16·384	10·02
20441	20	17·127	10·76
20442	13	18·050	10·98
20443*	40	18·570	10·32
20444	10	19·206	10·83
20445	13	19·441	10·54
20446	10	23·250	10·41
20447	9	24·074	10·80
20448	13	24·416	10·91
20449	10	24·607	10·97
20450	13	24·955	10·52
20451	14	25·505	10·03
20452	11	25·966	10·37
20453	28	1·093	11·09
20454	16	1·505	11·12
20455	14	3·950	11·19
20456	11	5·292	11·39
20457	9	7·807	11·80
20458	14	8·446	11·46
20459	12	9·041	11·16
20460	13	9·432	11·91
20461	14	12·606	11·12
20462	20	13·176	11·04
20463	12	14·028	11·25
20464	12	14·305	11·82
20465	13	14·380	11·47
20466	14	15·545	11·27
20467*	26	16·220	11·68
20468	13	17·656	11·54
20469	13	18·146	11·27
20470	21	18·506	11·95
20471	11	18·520	11·75
20472	10	18·751	11·66
20473	12	19·096	11·38
20474	12	19·970	11·51
20475	11	21·298	11·60
20476	12	21·334	11·18
20477*	37	23·606	11·88
20478	9	24·438	11·55
20479	10	25·145	11·76
20480	13	25·290	11·15
20481	40	0·640	12·58
20482	10	3·669	12·73
20483	13	4·671	12·54
20484	12	4·990	12·45
20485	13	5·494	12·47
20486	12	5·750	12·62
20487	12	5·889	12·90
20488	9	6·836	12·80
20489	22	7·191	12·52
20490	14	10·263	12·59
20491	10	10·617	12·78
20492	15	11·515	12·79
20493	13	11·913	12·45
20494	13	12·454	12·49
20495	13	12·655	12·67
20496*	32	13·120	12·52
20497	12	17·520	12·82
20498	12	18·229	12·97
20499	15	18·575	12·29
20500	21	19·740	12·52

20501	13	20·574	12·298	20575	9	22·492	15·398	20649	11	12·734	18·831	20723	11	11·651	21·260	20797	17	18·080	23·768
20502	10	23·389	12·706	20576	8	24·242	15·987	20650	15	16·487	18·620	20724	13	11·740	21·335	20798	10	19·355	23·109
20503	20	24·311	12·264	20577	10	25·190	15·985	20651	14	16·589	18·867	20725	20	11·870	21·087	20799	12	21·435	23·689
20504	40	0·143	13·604	20578	21	25·529	15·564	20652	9	17·819	18·457	20726	13	12·364	21·753	20800	12	22·137	23·351
20505	22	0·635	13·975	20579	23	0·236	16·020	20653	13	17·951	18·422	20727	12	14·482	21·241	20801	22	22·355	23·618
20506	30	1·521	13·972	20580	18	0·580	16·205	20654	11	18·136	18·146	20728	9	16·486	21·839	20802	20	22·390	23·554
20507	14	1·980	13·580	20581	30	0·808	16·675	20655	11	19·480	18·139	20729	10	16·625	21·204	20803	15	23·300	23·442
20508	19	2·170	13·502	20582	14	3·415	16·132	20656	22	21·150	18·702	20730	9	17·060	21·755	20804	15	23·354	23·588
20509	16	2·515	13·528	20583	18	4·174	16·174	20657	11	21·244	18·149	20731	8	17·101	21·260	20805	38	0·234	24·577
20510	13	3·166	13·814	20584	22	4·329	16·840	20658	10	22·262	18·850	20732	9	18·275	21·760	20806	40	1·504	24·109
20511	14	3·450	13·051	20585	10	5·119	16·949	20659	14	22·320	18·703	20733	12	18·410	21·200	20807	30	1·904	24·592
20512	17	3·825	13·485	20586	13	5·250	16·073	20660	10	24·840	18·225	20734	10	19·291	21·220	20808*	22	8·094	24·768
20513	11	3·984	13·210	20587	10	6·380	16·539	20661	14	25·840	18·114	20735	10	21·125	21·137	20809	14	8·981	24·644
20514	16	5·099	13·555	20588	12	7·842	16·647	20662	25	2·376	19·591	20736	10	21·162	21·217	20810	16	9·836	24·366
20515	16	5·163	13·199	20589	12	8·856	16·136	20663	17	2·657	19·628	20737	11	21·255	21·120	20811	12	10·811	24·907
20516	10	5·536	13·920	20590	13	10·225	16·046	20664	12	3·330	19·318	20738	12	23·374	21·530	20812	12	10·969	24·890
20517	12	6·400	13·224	20591	15	11·580	16·505	20665	13	3·970	19·086	30739	15	23·455	21·480	20813	14	13·978	24·575
20518	9	8·750	13·975	20592	10	12·237	16·386	20666	12	4·338	19·942	20740	14	23·620	21·946	20814	10	15·264	24·363
20519	12	9·619	13·982	20593	12	13·989	16·940	20667	14	5·714	19·982	20741	20	1·400	22·547	20815	14	16·345	24·718
20520	18	10·290	13·508	20594	13	14·350	16·417	20668	13	5·791	19·600	20742	27	3·455	22·631	20816	22	19·515	24·890
20521	13	11·066	13·997	20595	11	16·308	16·911	70669	12	6·440	19·980	20743	14	3·804	22·922	20817	15	21·352	24·971
20522	16	13·870	13·567	20596	16	16·373	16·027	20670	21	6·634	19·714	20744*	45	3·819	22·765	20818	17	22·424	24·495
20523	14	14·712	13·806	20597	16	17·090	16·406	20671	13	7·950	19·250	20745	14	5·521	22·437	20819	15	22·546	24·271
20524	14	15·606	13·596	20598	20	19·086	16·862	20672	11	10·296	19·861	20746	14	6·630	22·292	20820	22	24·114	24·959
20525	14	16·485	13·522	20599	10	19·600	16·396	20673	14	10·331	19·370	20747	12	7·116	22·296	20821*	40	3·988	25·767
20526	13	17·634	13·728	20600	14	20·716	16·286	20674	10	10·884	19·927	20748	14	7·828	22·307	20822	20	4·764	25·843
20527	16	18·116	13·304	20601	10	20·839	16·650	20675	12	12·655	19·387	20749	12	8·564	22·469	20823	18	9·238	25·422
20528	16	19·209	13·445	20602	12	20·990	16·994	20676	17	12·680	19·348	20750	14	8·744	22·665	20824	13	12·133	25·103
20529	12	20·906	13·740	20603	14	21·826	16·240	20677	9	16·619	19·617	20751	13	8·967	22·380	20825	15	12·230	25·937
20530	12	21·840	13·355	20604	14	22·000	16·047	20678	11	17·246	19·120	20752	10	9·012	22·826	20826	13	12·274	25·127
20531	9	22·600	13·589	20605	9	22·395	16·674	20679	12	17·685	19·386	20753	13	9·300	22·653	20827	10	12·824	25·939
20532	10	24·555	13·450	20606	23	24·685	16·596	20680	22	18·937	19·394	20754	12	9·945	22·672	20828	14	15·875	25·525
20533	13	25·073	13·932	20607	28	25·940	16·200	20681	10	18·996	19·412	20755	12	11·928	22·623	20829	20	16·252	25·815
20534	10	25·240	13·448	20608	28	0·338	17·866	20682	10	19·550	19·267	20756	12	12·148	22·076	20830	13	17·155	25·396
20535*	31	25·344	13·807	20609	27	0·379	17·931	20683	14	20·309	19·347	20757	9	12·300	22·292	20831	10	18·120	25·550
20536	18	1·288	14·277	20610*	71	0·850	17·253	20684	10	21·476	19·204	20758	13	13·128	22·940	20832	16	18·130	25·097
20537	12	1·874	14·432	20611	19	1·163	17·618	20685	13	22·577	19·025	20759	9	13·416	22·210	20833	19	19·894	25·701
20538	12	2·655	14·020	20612	16	2·471	17·486	20686	17	25·390	19·790	20760	12	13·839	22·552	20834	10	21·895	25·843
20539	13	3·812	14·739	20613	12	3·516	17·966	20687	12	25·674	19·628	20761	14	13·984	22·148	20835	16	21·974	25·902
20540	16	4·508	14·254	20614	14	3·624	17·967	20688	24	1·018	20·717	20762	11	15·007	22·604				
20541	13	6·530	14·696	20615	18	4·072	17·550	20689	18	2·920	20·147	20763	13	16·885	22·986				
20542	14	7·226	14·515	20616	14	4·260	17·570	20690	30	3·464	20·975	20764	9	18·863	22·752				
20543	13	7·706	14·695	20617	16	5·500	17·267	20691	20	3·789	20·503	20765	10	19·104	22·670				
20544	10	8·040	14·322	20618	12	6·515	17·140	20692	9	3·964	20·558	20766	13	21·944	22·785				
20545	12	9·037	14·911	20619	9	6·535	17·177	20693	20	4·576	20·165	20767	10	22·231	22·191				
20546	13	10·351	14·990	20620	13	8·049	17·410	20694	20	4·900	20·050	20768	13	22·387	22·014				
20547	13	10·514	14·547	20621	12	8·383	17·918	20695	11	5·871	20·026	20769	21	23·584	22·383				
20548*	40	11·405	14·823	20622	20	8·398	17·181	20696	14	6·574	20·944	20770	13	23·675	22·101				
20549	14	12·550	14·787	20623	20	10·760	17·750	20697	21	6·885	20·000	20771	17	24·289	22·765				
20550	14	12·708	14·440	20624	10	10·910	17·774	20698	14	7·145	20·780	20772	15	24·648	22·669				
20551	13	14·250	14·967	20625	13	11·026	17·450	20699	11	7·150	20·300	20773	26	1·310	23·930				
20552	13	16·982	14·027	20626	13	13·860	17·545	20700	10	8·360	20·221	20774	17	2·100	23·520				
20553	13	18·776	14·116	20627	15	14·704	17·806	20701	20	9·893	20·780	20775	23	2·231	23·581				
20554	13	20·057	14·253	20628	11	14·980	17·229	20702	11	10·555	20·873	20776	19	4·472	23·255				
20555	16	22·334	14·907	20629	11	16·443	17·840	20703	20	11·830	20·376	20777	22	4·525	23·363				
20556	10	23·820	14·838	20630	21	16·730	17·940	20704	10	14·953	20·178	20778	10	6·041	23·259				
20557	12	24·741	14·086	20631	14	18·336	17·532	20705	10	15·711	20·755	20779	11	6·670	23·468				
20558	10	25·531	14·430	20632	13	19·413	17·075	20706	11	16·647	20·150	20780	17	7·625	23·820				
20559	10	25·580	14·193	20633	11	20·245	17·616	20707	10	16·791	20·825	20781	10	7·640	23·049				
20560	12	0·400	15·894	20634	11	20·884	17·717	20708	10	17·319	20·865	20782	14	7·986	23·817				
20561	48	0·543	15·619	20635	12	20·906	17·610	20709	15	18·266	20·067	20783	16	8·983	23·162				
20562	21	0·832	15·604	20636	11	21·345	17·176	20710	10	19·256	20·980	20784	10	10·599	23·790				
20563	17	2·197	15·787	20637	8	21·580	17·102	20711	13	19·885	20·990	20785	10	10·694	23·740				
20564	23	2·579	15·852	20638	11	23·345	17·353	20712	21	21·266	20·410	20786	24	10·829	23·994				
20565	13	2·967	15·640	20639	10	23·640	17·300	20713	10	22·349	20·999	20787	12	11·324	23·968				
20566	10	4·776	15·861	20640	22	1·478	18·765	20714	10	24·640	20·298	20788	10	12·875	23·722				
20567	15	13·052	15·770	20641	14	4·183	18·250	20715	13	24·668	20·692	20789	14	15·057	23·600				
20568	12	13·920	15·557	20642	13	5·740	18·980	20716	14	25·571	20·803	20790	13	15·348	23·014				
20569	13	14·123	15·482	20643	12	5·905	18·650	20717	31	0·958	21·834	20791	13	15·930	23·268				
20570	14	14·922	15·078	20644	13	6·649	18·415	20718	20	3·720	21·550	20792	21	17·090	23·971				
20571	11	17·896	15·845	20645	11	8·914	18·429	20719	12	4·119	21·550	20793*	50	17·137	23·316				
20572	10	19·013	15·395	20646	12	9·981	18·395	20720	14	4·486	21·080	20794	13	17·176	23·158				
20573	11	19·076	15·158	20647	10	10·146	18·107	20721	11	8·713	21·962	20795	9	17·293	23·069				
20574	14	19·151	15·745	20648	12	12·496	18·019	20722	10	11·611	21·688	20796*	42	17·390	23·348				

R. A. 7^h 52^m

Plate 2234 ; 1903 Apr. 19.

Provisional Constants.

A	B	C
−·00033	+·00424	+·1422
D	**E**	**F**
−·00451	−·00026	+·0171

Mag. = $16·2 - 1·36\sqrt{d}$

No.	*d*	*x*	*y*
20901	50	0·944	0·320
20902	36	2·991	0·059
20903	18	4·060	0·365
20904	21	6·485	0·205
20905	21	6·822	0·135
20906	19	8·086	0·327
20907	12	9·576	0·396
20908	12	10·930	0·370
20909	12	11·066	0·185
20910	13	12·045	0·326
20911	12	16·158	0·694
20912	9	20·555	0·340

20913	19	20·668	0·866	20987	13	5·699	5·273	21061	10	19·430	8·366	21135	10	19·165	12·476	21209	9	20·311	17·052
20914*	29	24·824	0·205	20988	10	6·875	5·839	21062	8	20·939	8·616	21136	10	21·392	12·461	21210	10	21·272	17·245
20915	16	25·263	0·784	20989	10	8·245	5·671	21063	11	25·094	8·486	21137	10	22·046	12·637	21211	20	25·540	17·396
20916	25	0·501	1·259	20990	11	9·128	5·728	21064	10	25·786	8·616	21138	10	22·740	12·731	21212	13	3·120	18·208
20917	14	5·877	1·422	20991	12	15·784	5·640	21065	22	0·955	9·932	21139	9	24·874	12·529	21213	17	3·551	18·547
20918	17	5·945	1·516	20992	10	15·937	5·637	21066	23	1·384	9·327	21140*	32	2·533	13·909	21214	12	7·972	18·577
20919	10	7·916	1·160	20993*	23	17·230	5·360	21067	21	2·035	9·718	21141*	22	4·598	13·544	21215	10	11·090	18·485
20920	14	8·136	1·888	20994	12	17·658	5·325	21068	19	3·290	9·916	21142	9	6·607	13·462	21216	10	11·119	18·586
20921	14	9·925	1·135	20995	10	20·141	5·162	21069	14	5·430	9·565	21143	11	7·181	13·010	21217	14	11·296	18·166
20922	10	10·155	1·982	20996	12	22·930	5·614	21070	10	5·860	9·660	21144	10	10·131	13·585	21218	10	13·700	18·830
20923	11	10·256	1·782	20997	23	0·517	6·610	21071	9	7·178	9·243	21145	11	11·874	13·429	21219	9	16·626	18·628
20924	12	10·862	1·999	20998	20	3·994	6·785	21072	10	7·976	9·578	21146	12	13·504	13·717	21220	9	17·222	18·491
20925	11	12·955	1·649	20999	12	7·814	6·576	21073	10	8·515	9·484	21147	10	13·650	13·152	21221	9	17·322	18·474
20926	9	13·780	1·541	21000	10	8·940	6·670	21074	9	9·145	9·064	21148	13	15·515	13·266	21222	10	18·804	18·047
20927	10	14·337	1·600	21001	10	9·384	6·412	21075	10	9·718	9·624	21149	16	20·429	13·632	21223	10	19·110	18·727
20928	12	14·915	1·974	21002	10	10·585	6·930	21076	21	11·994	9·313	21150	10	25·117	13·894	21224	16	19·525	18·225
20929	10	16·357	1·533	21003	18	10·685	6·750	21077*	38	12·289	9·762	21151	11	25·468	13·334	21225	16	20·790	18·158
20930	12	20·162	1·264	21004	12	12·709	6·036	21078	18	12·971	9·552	21152	11	2·265	14·040	21226*	29	21·930	18·334
20931	15	24·145	1·247	21005	11	12·722	6·009	21079	12	13·474	9·945	21153	12	3·785	14·179	21227	10	22·172	18·808
20932	16	2·187	2·421	21006	12	13·584	6·362	21080*	21	13·610	9·057	21154*	28	4·640	14·462	21228	12	22·394	18·877
20933	31	5·307	2·986	21007	10	13·829	6·275	21081	14	13·774	9·810	21155	14	5·531	14·813	21229	11	22·582	18·285
20934	16	5·811	2·467	21008	12	14·264	6·566	21082	12	14·177	9·254	21156	16	6·265	14·176	21230	17	23·542	18·491
20935*	44	6·465	2·417	21009	16	16·226	6·497	21083	12	14·399	9·499	21157	10	6·404	14·308	21231	18	2·706	19·890
20936	14	6·497	2·575	21010	9	18·295	6·482	21084	10	15·484	9·758	21158	10	9·995	14·350	21232	15	5·688	19·681
20937*	40	7·975	2·382	21011	9	19·818	6·692	21085*	30	15·885	9·587	21159	10	10·785	14·919	21233	10	6·425	19·869
20938	20	9·563	2·055	21012	15	22·480	6·794	21086	12	17·601	9·780	21160	10	13·049	14·027	21234	9	8·364	19·158
20939	10	12·028	2·007	21013	14	24·014	6·120	21087	8	20·713	9·930	21161	17	20·050	14·227	21235	10	8·433	19·260
20940	19	13·770	2·440	21014	21	0·192	7·896	21088	11	21·274	9·960	21162	12	23·642	14·877	21236	10	8·842	19·805
20941	17	14·906	2·310	21015	32	1·303	7·763	21089	10	22·148	9·533	21163	23	2·755	15·660	21237	9	12·045	19·931
20942	16	16·392	2·735	21016	16	3·555	7·567	21090	14	22·599	9·004	21164	21	4·060	15·374	21238	16	13 182	19·052
20943	10	17·140	2·644	21017	10	4·274	7·890	21091	10	22·845	9·478	21165	10	11·265	15·960	21239	21	14·022	19·730
20944	22	17·180	2·411	21018	19	4·830	7·554	21092	9	23·670	9·716	21166	11	17·485	15·949	21240	19	17·214	19·374
20945	10	21·697	2·438	21019	19	5·127	7·614	21093	10	24·774	9·349	21167	10	19·138	15·762	21241	10	17·493	19·769
20946	14	22·380	2·618	21020	10	5·376	7·935	21094	12	24·968	9·837	21168	12	19·170	15·632	21242	10	18·474	19·614
20947	11	23·386	2·852	21021	13	5·425	7·221	21095	12	25·068	9·280	21169	11	19·616	15·643	21243	10	19·935	19·634
20948	22	25·458	2·727	21022	19	5·522	7·556	21096	12	3·081	10·468	21170	11	20·410	15·588	21244	10	20·106	19·797
20949	15	6·020	3·645	21023	21	5·803	7·243	21097	10	4·320	10·429	21171	16	20·705	15·399	21245	16	20·377	19·225
20950	10	7·809	3·360	21024	11	6·108	7·403	21098*	21	4·479	10·987	21172	9	20·968	15·181	21246	10	21·192	19·591
20951	18	10·666	3·694	21025	10	7·163	7·003	21099	12	5·794	10·148	21173	10	22·089	15·976	21247	10	22·016	19·823
20952	11	10·745	3·727	21026	9	9·090	7·932	21100	11	6·298	10·960	21174	11	22·940	15·006	21248	17	23·327	19·564
20953	10	13·274	3·792	21027	10	9·840	7·846	21101	14	8·686	10·186	21175	11	24·452	15·742	21249	14	24·925	19·013
20954	11	13·277	3·358	21028	12	11·750	7·286	21102	14	11·450	10·694	21176	33	1·934	16·712	21250	18	2·910	20·900
20955*	25	13·781	3·724	21029	11	14·136	7·865	21103	16	14·591	10·403	21177*	30	3·180	16·292	21251	17	4·304	20·874
20956	20	13·902	3·536	21030	14	14·197	7·113	21104	10	17·575	10·181	21178*	40	3·630	16·089	21252	15	4·655	20·113
20957	14	14·314	3·902	21031	23	15·190	7·849	21105	10	19·900	10·443	21179	12	4·402	16·810	21253	12	5·318	20·182
20958	12	16·768	3·494	21032	12	15·300	7·162	21106	17	20·782	10·536	21180	13	4·518	16·594	21254	10	6·735	20·450
20959	10	18·537	3·772	21033	10	15·960	7·768	21107	11	21·696	10·211	21181	14	4·686	16·608	21255	14	8·519	20·830
20960	10	18·660	3·860	21034	10	18·137	7·677	21108	18	24·881	10·277	21182	12	6·365	16·714	21256	10	8·662	20·873
20961	12	20·016	3·878	21035	20	20·545	7·325	21109	14	25·905	10·703	21183	9	8·240	16·856	21257	18	11·681	20·179
20962	46	0·916	4·120	21036	10	21·740	7·471	21110	17	1·544	11·040	21184	12	8·481	16·265	21258	9	13·917	20·719
20963	14	4·015	4·333	21037	10	22·313	7·185	21111	17	2·420	11·255	21185	9	8·804	16·233	21259	16	14·245	20·917
20964	14	4·165	4·518	21038	9	22·607	7·888	21112	12	4·159	11·854	21186*	20	13·326	16·154	21260	10	14·471	20·048
20965	14	4·536	4·102	21039	9	23·955	7·260	21113*	30	6·081	11·001	21187	13	14·483	16·680	21261	14	16·064	20·915
20966	12	4·714	4·867	21040	24	3·295	8·390	21114	11	6·101	11·330	21188	12	14·730	16·894	21262	10	17·416	20·794
20967	12	4·751	4·176	21041*	41	4·110	8·260	21115	10	7·831	11·499	21189	18	16·630	16·080	21263	12	18·325	20·645
20968	19	6·055	4·245	21042	20	4·611	8·714	21116	12	15·880	11·113	21190	12	16·716	16·201	21264	16	20·060	20·370
20969	11	7·150	4·313	21043	20	5·053	8·765	21117	14	19·384	11·640	21191	10	21·769	16·886	21265	10	22·190	20·461
20970	18	8·002	4·411	21044	12	5·080	8·880	21118	10	22·275	11·357	21192	9	22·189	16·803	21266	10	22·535	20·408
20971	12	8·964	4·084	21045	17	5·588	8·665	21119	20	25·166	11·976	21193	9	22·494	16·008	21267	10	23·160	20·704
20972	11	10·490	4·128	21046	10	6·255	8·439	21120	12	25·332	11·795	21194	12	22·630	16·970	21268	17	24·315	20·961
20973	12	11·274	4·360	21047*	31	6·533	8·443	21121*	61	0·755	12·023	21195	9	24·850	16·144	21269	9	24·491	20·949
20974	10	12·730	4·653	21048	10	6·550	8·514	21122	32	1·466	12·390	21196	20	4·291	17·371	21270	20	24·756	20·148
20975	10	12·919	4·175	21049	10	6·984	8·240	21123	14	6·218	12·982	21197	10	7·005	17·113	21271	10	24·985	20·515
20976	10	16·081	4·522	21050	16	8·360	8·976	21124	10	6·476	12·760	21198	12	9·407	17·665	21272	15	5·066	21·936
20977	10	16·635	4·090	21051	13	8·570	8·306	21125	10	7·040	12·807	21199	9	9·980	17·220	21273	30	5·285	21·377
20978	10	17·079	4·914	21052	9	9·470	8·879	21126	10	8·350	12·510	21200	10	10·125	17·591	21274	17	7·174	21·689
20979	20	17·085	4·935	21053	10	9·593	8·739	21127	10	10·395	12·674	21201*	30	10·187	17·774	21275	21	8·138	21·849
20980	9	18·054	4·729	21054	11	9·750	8·732	21128	13	12·400	12·674	21202	10	13·073	17·070	21276	12	8·315	21·255
20981	10	18·216	4·692	21055	12	9·940	8·155	21129	16	12·920	12·272	21203	9	14·101	17·340	21277	8	13·310	21·019
20982	9	19·536	4·408	21056	16	10·455	8·981	21130	16	15·360	12·004	21204	10	14·984	17·110	21278	10	13·547	21·677
20983	12	21·730	4·525	21057	12	13·396	8·767	21131*	34	15·456	12·828	21205	12	16·133	17·560	21279	12	14·066	21·802
20984	10	22·360	4·7 1	21058	12	14·466	8·987	21132	17	15·830	12·245	21206	13	16·572	17·740	21280	10	14·323	21·466
20985	28	3·727	5·055	21059	11	16·449	8·255	21133	12	16·140	12·626	21207	14	17·164	17·680	21281	10	15·651	21·348
20986	12	4·396	5·474	21060	10	18·545	8·057	21134	16	18·204	12·990	21208	12	17·385	17·596	21282	9	15·655	21·063

No.	d	x	y
21283	10	16·980	21·336
21284	9	17·060	21·565
21285	10	18·706	21·753
21286	11	20·194	21·737
21287	12	22·207	21·772
21288	10	23·825	21·147
21289	13	24·417	21·166
21290	12	25·140	21·572
21291	14	25·969	21·741
21292	35	0·956	22·522
21293	12	7·414	22·798
21294	14	9·174	22·628
21295	10	9·727	22·012
21296	10	10·520	22·297
21297	10	11·217	22·912
21298	10	11·345	22·252
21299	10	13·046	22·625
21300	9	13·736	22·650
21301	14	14·760	22·820
21302	15	15·160	22·476
21303	10	15·462	22·092
21304*	30	16·066	22·221
21305	16	17·336	22·471
21306	20	17·635	22·214
21307	16	19·234	22·096
21308	12	24·070	22·306
21309	15	25·360	22·255
21310	14	5·654	23·943
21311	11	8·931	23·077
21312	15	9·325	23·172
21313	16	9·450	23·337
21314	12	11·385	23·326
21315	12	11·736	23·565
21316	11	15·620	23·207
21317	11	16·247	23·074
21318	11	16·355	23·199
21319*	28	17·700	23·306
21320	11	18·080	23·227
21321	10	18·655	23·650
21322	19	21·184	23·587
21323	14	21·334	23·903
21324	17	23·336	23·683
21325*	41	8·333	24·506
21326	22	12·357	24·555
21327	11	14·319	24·744
21328	9	16·806	24·826
21329	10	17·818	24·969
21330	10	18·837	24·266
21331	12	19·322	24·013
21332	20	20·205	24·850
21333	17	23·254	24·687
21334	26	1·540	25·084
21335	22	4·505	25·850
21336	15	9·225	25·160
21337	12	12·975	25·955
21338	10	13·119	25·062
21339	11	13·724	25·748
21340	15	17·473	25·337
21341*	20	19·678	25·131
21342*	22	21·190	25·041
21343	20	24·634	25·055

R.A. 8h 1m

Plate 2320; 1903 Oct. 30.

Provisional Constants.

A	B	C
−·00084	+·00304	−·0581
D	**E**	**F**
−·00313	−·00018	+·0477

Mag. $= 16{\cdot}4 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
21401*	53	1·226	0·346
21402	12	11·227	0·955
21403	19	12·726	0·884
21404	14	19·619	0·450
21405	15	21·691	0·440
21406	12	9·195	1·596
21407	22	10·039	1·760
21408	37	1·906	2·856
21409	10	12·397	2·389
21410	15	18·676	2·524
21411	14	19·554	2·743
21412	18	21·803	2·242
21413	12	10·602	3·568
21414	10	16·980	3·099
21415	12	18·360	3·989
21416	18	18·716	3·095
21417	12	9·106	4·847
21418	10	10·309	4·804
21419	13	10·340	4·611
21420	20	14·013	4·540
21421	14	20·779	4·679
21422	12	20·986	4·058
21423	14	3·127	5·695
21424	18	7·847	5·770
21425*	26	8·510	5·850
21426	14	13·222	5·644
21427	21	15·720	5·570
21428	20	17·594	5·760
21429	12	25·432	5·647
21430	29	0·525	6·273
21431	12	5·549	6·966
21432	21	6·663	6·742
21433	14	10·026	6·218
21434	22	13·199	6·755
21435	14	17·588	6·926
21436	12	25·244	6·828
21437	15	2·605	7·822
21438	12	3·600	7·350
21439	12	9·676	7·492
21440	20	11·599	7·136
21441	12	16·547	7·150
21442	21	19·961	7·873
21443	13	20·027	7·876
21444	13	24·378	7·568
21445	14	24·707	7·877
21446	11	4·464	8·133
21447	16	11·466	8·167
21448	31	18·511	8·616
21449*	39	18·529	8·666
21450	11	21·330	8·420
21451	15	22·846	8·320
21452	20	22·863	8·336
21453	13	25·649	8·114
21454	18	25·870	8·060
21455*	39	14·535	9·740
21456	12	23·036	9·155

No.	d	x	y
21457	11	23·514	9·611
21458	30	1·473	10·414
21459	19	2·502	10·820
21460	11	5·736	10·713
21461	20	6·520	10·587
21462	12	7·034	10·352
21463	10	9·903	10·016
21464	14	10·037	10·130
21465*	24	15·090	10·669
21466	19	2·779	11·354
21467	10	3·906	11·761
21468	23	4·378	11·308
21469	18	4·380	11·171
21470	13	9·934	11·490
21471*	40	17·890	11·150
21472	15	19·411	11·455
21473	18	20·838	11·662
21474	18	22·377	11·957
21475	13	25·997	11·408
21476	25	1·790	12·108
21477	18	11·114	12·579
21478	20	11·661	12·178
21479*	40	13·800	12·679
21480	14	17·053	12·747
21481	14	18·976	12·618
21482	12	23·544	12·792
21483	13	24·014	12·191
21484	12	24·047	12·931
21485	22	4·668	13·394
21486	14	5·284	13·584
21487	12	7·529	13·799
21488	12	8·460	13·977
21489	10	12·085	13·226
21490	18	12·877	13·902
21491	16	12·918	13·919
21492	17	22·937	13·277
21493	12	23·122	13·770
21494	22	6·034	14·858
21495	11	8·454	14·631
21496	14	9·527	14·452
21497*	29	10·639	14·399
21498	12	11·878	14·459
21499	22	19·865	14·315
21500	24	20·924	14·240
21501	21	21·094	14·166
21502	14	22·025	14·113
21503	10	22·313	14·199
21504*	31	25·767	14·768
21505	19	0·320	15·036
21506	10	4·666	15·684
21507	12	5·367	15·650
21508	16	11·796	15·368
21509	12	22·493	15·855
21510	12	2·861	16·990
21511	11	3·070	16·638
21512*	27	3·815	16·609
21513	21	23·647	16·717
21514	20	24·370	16·267
21515	20	1·348	17·109
21516	27	2·266	17·517
21517	12	4·963	17·757
21518	10	5·184	17·692
21519	17	9·817	17·670
21520	15	12·098	17·680
21521	14	12·884	17·050
21522	11	14·450	17·033
21523	10	18·364	17·734
21524	12	19·896	17·577
21525*	26	20·599	17·267
21526	10	23·823	17·824
21527	32	0·290	18·649
21528	13	4·253	18·706
21529	20	6·397	18·450
21530	10	7·376	18·290

No.	d	x	y
21531	12	8·439	18·793
21532	15	12·064	18·635
21533	10	12·370	18·664
21534*	25	14·590	18·612
21535	12	16·356	18·993
21536	14	17·524	18·833
21537	23	18·270	18·743
21538	13	23·945	18·599
21539	21	25·076	18·170
21540	22	25·946	18·380
21541	30	0·094	19·724
21542	19	1·680	19·145
21543	14	4·178	19·740
21544	17	8·600	19·867
21545	13	10·241	19·116
21546	13	11·728	19·790
21547	17	13·181	19·042
21548	14	19·640	19·199
21549	13	20·779	19·663
21550	31	1·535	20·283
21551	10	4·288	20·400
21552*	31	8·670	20·217
21553	9	9·646	20·021
21554	9	14·189	20·160
21555	10	16·442	20·472
21556	22	16·480	20·817
21557	23	19·052	20·438
21558	14	21·381	20·206
21559	12	22·097	20·090
21560	10	23·150	20·695
21561*	35	23·826	20·233
21562	11	24·281	20·748
21563	22	1·107	21·106
21564	10	8·641	21·079
21565	20	13·280	21·083
21566	13	14·456	21·930
21567	14	16·306	21·227
21568	23	19·587	21·054
21569	12	21·935	21·659
21570	12	22·512	21·419
21571*	28	23·917	21·466
21572	10	6·951	22·530
21573	13	7·146	22·229
21574	22	13·191	22·984
21575	16	18·760	22·263
21576	10	18·879	22·777
21577	14	20·737	22·284
21578	13	23·657	22·908
21579	14	25·391	22·588
21580	30	0·178	23·845
21581	38	3·194	23·998
21582	15	5·155	23·531
21583	16	7·630	23·755
21584	22	10·714	23·491
21585	14	12·155	23·204
21586*	41	13·932	23·081
21587	12	13·217	24·322
21588	22	25·767	24·191
21589	31	1·505	25·191
21590	14	9·881	25·267
21591	23	10·039	25·074
21592	11	11·759	25·624
21593	15	13·995	25·001
21594	19	14·910	25·099
21595	29	18·291	25·672

R.A. 8h 10m

Plate 2235; 1903 Apr. 19.

Provisional Constants.

A	B	C
−·00054	−·00259	+·1683
D	**E**	**F**
+·00233	−·00042	−·0767

Mag. $= 16{\cdot}5 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
21601*	16	3·031	0·562
21602	23	4·964	0·099
21603	10	5·143	0·933
21604*	80	5·243	0·437
21605	10	6·564	0·671
21606*	33	12·624	0·345
21607	15	15·402	0·839
21608	20	19·439	0·536
21609	13	4·375	1·684
21610	20	5·373	1·954
21611	20	11·250	1·054
21612	15	11·616	1·947
21613	19	14·334	1·514
21614	8	15·085	1·409
21615	10	15·893	1·884
21616	10	16·002	1·855
21617*	33	17·734	1·390
21618	7	20·881	1·384
21619	9	12·899	2·846
21620	10	17·113	2·046
21621	10	18·784	2·789
21622	10	19·326	2·236
21623	10	19·766	2·247
21624	17	22·780	2·413
21625	10	23·817	2·351
21626	10	25·428	2·145
21627	24	6·563	3·023
21628*	30	12·148	3·306
21629	9	15·029	3·540
21630	10	20·001	3·288
21631	22	20·456	3·723
21632	10	22·857	3·859
21633	10	3·732	4·675
21634	12	5·147	4·407
21635	23	8·133	4·424
21636	10	8·923	4·701
21637	10	9·347	4·757
21638	8	9·743	4·493
21639	10	12·223	4·616
21640	10	13·171	4·700
21641	10	15·266	4·437
21642	20	19·954	4·884
21643	16	21·079	4·847
21644	15	22·469	4·870
21645	10	2·353	5·583
21646	10	10·247	5·444
21647	22	10·840	5·448
21648	20	16·429	5·985
21649	12	16·839	5·435
21650	10	24·484	5·900
21651	10	2·178	6·765
21652	25	6·544	6·484
21653	12	8·754	6·155
21654	19	15·676	6·552
21655	10	16·093	6·314
21656	9	21·926	6·146

21657	23	24·607	6·907	21731	10	7·452	13·425
21658	17	1·327	7·517	21732	28	10·403	13·365
21659	12	1·662	7·823	21733	27	18·789	13·483
21660	19	2·827	7·989	21734	10	20·951	13·777
21661	15	3·437	7·449	21735*	31	21·722	13·350
21662	10	3·897	7·218	21736*	39	2·823	14·699
21663*	31	6·184	7·017	21737	23	6·317	14·044
21664	11	13·873	7·937	21738	11	12·206	14·014
21665	20	17·625	7·771	21739	15	14·306	14·949
21666	26	21·604	7·544	21740	10	17·040	14·315
21667	20	23·644	7·558	21741*	53	17·806	14·673
21668	15	2·607	8·047	21742	10	18·067	14·005
21669*	21	3·526	8·915	21743	18	18·827	14·846
21670	14	4·329	8·606	21744	10	23·667	14·477
21671	12	8·153	8·367	21745	25	3·529	15·734
21672	14	8·287	8·246	21746	19	8·241	15·703
21673	10	11·707	8·135	21747	10	12·653	15·641
21674*	43	15·232	8·684	21748	25	13·489	15·704
21675*	20	19·296	8·452	21749	10	14·944	15·729
21676	11	21·297	8·486	21750	10	17·689	15·946
21677	12	22·066	8·070	21751	23	19·220	15·440
21678	16	0·009	9·126	21752	19	24·022	15·394
21679	12	0·493	9·577	21753	8	24·521	15·054
21680*	40	4·663	9·864	21754	15	24·749	15·842
21681	20	6·579	9·656	21755	30	0·729	16·681
21682	20	7·340	9·382	21756	33	1·445	16·217
21683*	18	7·964	9·292	21757	10	3·607	16·646
21684	9	12·612	9·890	21758	10	6·667	16·796
21685	15	17·070	9·170	21759	9	9·648	16·350
21686	12	20·567	9·371	21760	20	10·343	16·507
21687	18	21·179	9·600	21761	10	12·419	16·913
21688	19	22·054	9·005	21762	12	13·755	16·305
21689	16	22·954	9·744	21763	20	15·309	16·230
21690	10	3·867	10·094	21764	12	18·187	16·104
21691*	41	3·882	10·067	21765	13	3·224	17·711
21692	10	7·007	10·441	21766*	19	3·341	17·766
21693*	38	10·570	10·643	21767	20	7·387	17·850
21694	12	17·410	10·443	21768	9	21·127	17·247
21695	9	18·015	10·554	21769	13	1·054	18·559
21696	17	18·027	10·982	21770	27	2·177	18·113
21697	11	18·288	10·175	21771	23	3·053	18·308
21698	18	20·638	10·244	21772	11	3·799	18·627
21699	14	22·619	10·477	21773	10	9·575	18·436
21700	10	24·235	10·278	21774	10	10·104	18·973
21701	10	24·895	10·574	21775	10	17·253	18·155
21702	11	3·001	11·334	21776	9	21·749	18·751
21703	20	6·964	11·764	21777*	38	3·398	19·566
21704	8	9·333	11·935	21778	35	4·744	19·706
21705	17	9·483	11·384	21779	10	8·684	19·018
21706	18	11·260	11·224	21780	12	16·711	19·596
21707*	23	11·983	11·563	21781	10	17·170	19·117
21708	10	14·114	11·221	21782	12	17·241	19·372
21709	9	19·991	11·953	21783	10	18·014	19·695
21710	10	20·805	11·504	21784*	60	0·959	20·193
21711	13	21·265	11·291	21785	20	3·839	20·511
21712	10	23·107	11·635	21786	9	6·840	20·157
21713	13	0·570	12·755	21787*	30	9·549	20·115
21714	18	1·028	12·146	21788	12	10·671	20·055
21715	18	1·074	12·886	21789	19	10·844	20·080
21716*	31	4·341	12·483	21790	10	11·355	20·793
21717	11	5·868	12·166	21791	10	12·156	20·540
21718*	26	10·481	12·575	21792*	28	17·726	20·027
21719	10	10·751	12·241	21793	10	19·763	20·022
21720	10	11·446	12·255	21794	17	22·633	20·807
21721	12	13·422	12·028	21795	13	23·064	20·875
21722	10	13·649	12·731	21796*	41	1·068	21·425
21723	20	15·963	12·394	21797*	32	10·954	21·235
21724*	25	16·744	12·688	21798	12	2·559	22·525
21725	9	18·074	12·633	21799	18	12·451	22·505
21726*	31	18·251	12·165	21800	10	12·833	22·463
21727	10	20·872	12·244	21801	15	13·010	22·085
21728	13	21·820	12·484	21802	10	23·229	22·751
21729	21	24·759	12·715	21803	22	23·413	22·864
21730	14	0·158	13·740	21804	10	0·389	23·107

21805	8	2·126	23·614
21806	10	3·754	23·375
21807	10	7·953	23·113
21808	12	9·029	23·414
21809	10	18·146	23·300
21810	10	22·930	23·224
21811	10	25·900	23·892
21812	20	2·956	24·125
21813	9	8·198	24·813
21814	10	13·017	24·666
21815	10	16·328	24·765
21816	10	22·954	24·581
21817	20	24·074	24·499
21818*	28	11·644	25·830
21819	21	17·597	25·284
21820	22	17·633	25·681
21821	23	18·305	25·574
21822	10	21·219	25·035
21823	20	22·277	25·804

R. A. 8h 19m

Plate 2236; 1903 Apr. 19.

Provisional Constants.

A	B	C
−·00034	+·00229	−·1067
D	**E**	**F**
−·00292	−·00043	+·0066

Mag. = 16·0 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
21901*	31	13·322	0·679
21902	15	14·022	0·741
21903	10	16·020	0·285
21904	35	2·479	1·822
21905	13	7·534	1·267
21906	16	8·870	1·173
21907*	32	10·100	1·494
21908	11	10·305	1·931
21909	12	12·030	1·729
21910	19	1·810	2·144
21911	26	4·389	2·517
21912	17	4·648	2·514
21913	19	9·240	2·884
21914	14	25·635	2·037
21915	21	2·029	3·360
21916	12	4·480	3·552
21917	13	6·556	3·344
21918	12	8·290	3·174
21919	11	15·964	3·110
21920	14	18·620	3·307
21921	22	21·220	3·242
21922	11	23·008	3·355
21923	11	24·876	3·249
21924	22	3·479	4·555
21925	15	3·489	4·898
21926	21	4·798	4·157
21927	12	7·899	4·277
21928	9	9·787	4·680
21929	10	10·037	4·928
21930	9	13·355	4·927
21931	10	13·609	4·912
21932	10	13·836	4·181

21933	16	13·854	4·835	22007	10	25·027	11·971
21934	10	15·794	4·360	22008	29	1·406	12·72
21935	22	15·915	4·715	22009*	22	9·331	12·72
21936	20	0·960	5·922	22010	12	12·660	12·72
21937	15	4·165	5·591	22011	11	24·140	12·841
21938	14	4·600	5·445	22012	21	24·334	12·41
21939*	30	7·218	5·219	22013	12	25·237	12·24
21940	10	10·755	5·608	22014	10	3·140	13·70
21941	13	10·892	5·445	22015	12	6·386	13·71
21942	9	13·109	5·619	22016	10	7·054	13·16
21943	9	20·644	5·064	22017	12	7·310	13·64
21944	10	20·830	5·691	22018*	27	10·351	13·72
21945	10	23·150	5·202	22019	10	15·410	13·91
21946	10	24·060	5·558	22020	15	15·984	13·03
21947	31	1·108	6·926	22021	13	18·472	13·63
21948	10	6·720	6·027	22022	10	23·780	13·30
21949*	35	8·475	6·950	22023	10	23·824	13·43
21950	9	10·675	6·613	22024	12	24·755	13·76
21951	22	11·249	6·199	22025	15	0·359	14·51
21952	13	15·065	6·370	22026	12	7·842	14·28
21953	14	15·531	6·986	22027	12	9·130	14·85
21954	10	21·214	6·112	22028	10	9·662	14·85
21955	9	21·380	6·622	22029	9	9·808	14·40
21956	12	22·533	6·080	22030	10	12·776	14·44
21957	20	22·826	6·484	22031	15	14·640	14·43
21958	9	24·121	6·155	22032	10	19·947	14·76
21959	8	25·472	6·302	22033	10	21·489	14·53
21960	32	0·160	7·601	22034	9	22·161	14·22
21961	12	4·650	7·408	22035*	31	23·422	14·44
21962	14	4·956	7·278	22036	29	0·739	15·42
21963	14	7·999	7·616	22037	22	1·475	15·85
21964	10	11·919	7·082	22038	10	2·846	15·02
21965	10	11·920	7·155	22039	11	5·152	15·93
21966	12	14·959	7·986	22040	9	7·863	15·50
21967	11	18·606	7·362	22041	11	10·626	15·38
21968	29	23·213	7·493	22042*	31	15·119	15·21
21969	12	10·672	8·982	22043	10	18·287	15·86
21970	11	13·144	8·565	22044	12	4·297	16·97
21971	11	15·340	8·578	22045	27	4·340	16·89
21972	9	16·944	8·255	22046	10	4·400	16·60
21973	17	18·315	8·984	22047	18	4·977	16·74
21974	13	20·125	8·598	22048	20	5·901	16·27
21975	19	23·010	8·380	22049	24	6·795	16·49
21976	12	5·197	9·534	22050	9	12·344	16·87
21977	19	6·140	9·077	22051	10	14·738	16·36
21978	21	8·547	9·709	22052	9	19·935	16·14
21979	14	14·555	9·682	22053	12	23·358	16·59
21980	10	17·534	9·212	22054	14	25·694	16·93
21981	19	18·966	9·025	22055	21	3·778	17·96
21982	9	21·822	9·670	22056	12	6·115	17·50
21983	18	23·387	9·580	22057	14	6·299	17·90
21984	21	23·945	9·571	22058	10	8·987	17·20
21985	12	0·825	10·306	22059*	30	13·616	17·45
21986	16	1·489	10·582	22060	14	14·334	17·71
21987	10	4·931	10·155	22061*	31	14·359	17·61
21988	14	5·127	10·352	22062	12	16·807	17·72
21989	12	7·461	10·757	22063	10	25·376	17·90
21990	12	11·870	10·631	22064	11	6·830	18·38
21991	10	18·128	10·864	22065	19	7·155	18·08
21992	12	24·162	10·812	22066	12	14·748	18·58
21993	16	2·890	11·911	22067*	31	15·173	18·49
21994	13	4·266	11·461	22068	10	18·213	18·37
21995	12	6·920	11·603	22069	12	18·559	18·94
21996*	29	7·314	11·281	22070	10	19·530	18·06
21997	12	10·107	11·174	22071	12	21·711	18·79
21998	12	10·544	11·142	22072	12	4·817	19·87
21999	12	11·671	11·848	22073*	15	6·190	19·58
22000	10	13·076	11·555	22074	10	8·658	19·75
22001	13	13·688	11·660	22075	18	8·700	19·58
22002	15	16·857	11·979	22076	11	12·083	19·50
22003*	40	19·111	11·505	22077	9	14·580	19·85
22004	9	20·386	11·011	22078	10	15·284	19·30
22005	20	21·237	11·648	22079	16	16·649	19·87
22006	15	24·952	11·117	22080	12	18·761	19·51

No.	d	x	y
22081	18	20·021	19·937
22082	12	23·118	19·104
22083*	30	9·558	20·566
22084*	40	10·039	20·448
22085	10	10·875	20·742
22086	10	11·864	20·270
22087	13	16·086	20·386
22088	20	17·691	20·319
22089	17	19·705	20·742
22090	18	20·530	20·278
22091	12	24·345	20·719
22092	11	3·121	21·067
22093	15	4·035	21·655
22094	21	5·024	21·139
22095	17	8·435	21·381
22096*	20	8·990	21·550
22097	9	11·036	21·470
22098*	29	13·465	21·257
22099	9	16·702	21·024
22100	14	19·854	21·286
22101	12	20·619	21·379
22102	9	21·345	21·945
22103	28	24·722	21·421
22104*	32	24·763	21·493
22105	30	0·315	22·908
22106	22	7·085	22·297
22107	12	7·890	22·275
22108	21	9·704	22·800
22109	11	13·311	22·562
22110	9	13·873	22·556
22111	10	17·911	22·828
22112	12	18·405	22·640
22113	19	24·036	22·537
22114	14	24·769	22·107
22115	19	2·830	23·872
22116	13	5·986	23·555
22117*	34	7·114	23·847
22118	13	8·161	23·591
22119	12	10·323	23·814
22120	23	11·480	23·895
22121	12	11·737	23·040
22122	11	19·991	23·685
22123	12	23·608	23·010
22124	33	1·014	24·528
22125	10	10·710	24·140
22126	12	17·766	24·390
22127	14	18·068	24·512
22128	11	18·470	24·590
22129*	31	20·827	24·412
22130	16	23·360	24·020
22131	24	23·610	24·365
22132	18	24·191	24·720
22133	12	24·717	24·140
22134	11	8·945	25·090
22135	10	10·744	25·477
22136	20	14·270	25·104
22137	10	17·460	25·480
22138	17	19·874	25·666

R. A. 8h 28m

Plate 2321 ; 1903 Oct. 30.

Provisional Constants.

A	B	C
−·00086	−·00718	+·1083
D	**E**	**F**
+·00719	−·00039	−·0429

Mag. = 16·2 − 1·36$\sqrt{d}$

No.	d	x	y
22201	18	7·119	0·666
22202	22	7·585	0·524
22203	21	10·342	0·066
22204	15	17·740	0·399
22205	25	20·964	0·186
22206*	12	21·684	0·890
22207	11	21·964	0·083
22208	11	24·217	0·245
22209	13	25·561	0·824
22210*	35	7·174	1·605
22211	23	10·820	1·768
22212	12	11·229	1·560
22213	12	11·517	1·663
22214	10	12·306	1·669
22215	10	12·555	1·259
22216*	26	24·147	1·003
22217	20	25·369	1·917
22218	13	2·470	2·060
22219	22	4·787	2·483
22220	10	11·744	2·364
22221	11	15·806	2·392
22222	14	15·839	2·588
22223*	22	20·606	2·719
22224	10	20·889	2·377
22225	10	21·000	2·274
22226	22	24·674	2·960
22227	11	6·531	3·160
22228	11	10·232	3·606
22229	14	11·074	3·920
22230	10	11·930	3·618
22231	15	12·779	3·900
22232	13	13·370	3·328
22233	10	14·787	3·311
22234	18	18·329	3·527
22235	12	19·434	3·300
22236	13	20·238	3·741
22237	22	24·685	3·039
22238	21	8·019	4·084
22239	14	8·850	4·965
22240	10	10·776	4·090
22241	10	16·040	4·544
22242	13	18·042	4·764
22243	13	21·246	4·618
22244	9	23·409	4·903
22245	16	25·607	4·907
22246	11	0·936	5·595
22247	12	6·119	5·466
22248	13	6·405	5·123
22249	21	6·777	5·004
22250	11	7·518	5·207
22251	22	11·694	5·518
22252	15	11·746	5·591
22253*	43	17·925	5·451
22254	12	22·445	5·259
22255*	32	23·539	5·593
22256	15	6·265	6·173
22257*	32	6·434	6·715
22258	19	6·844	6·187
22259	10	7·958	6·822
22260	9	9·499	6·056
22261	13	10·170	6·422
22262	13	19·366	6·647
22263	9	21·146	6·833
22264	10	21·800	6·109
22265*	22	22·653	6·458
22266	10	24·913	6·410
22267	22	0·109	7·539
22268	10	15·112	7·800
22269	22	22·167	7·044
22270	10	22·821	7·667
22271	13	7·837	8·320
22272	12	9·071	8·182
22273	11	10·630	8·009
22274	13	17·367	8·080
22275	18	19·010	8·819
22276	12	0·303	9·624
22277	20	0·862	9·607
22278	22	9·240	9·741
22279*	29	12·318	9·123
22280	13	13·676	9·324
22281	12	14·183	9·380
22282	11	1·091	10·848
22283	11	10·883	10·889
22284	22	13·172	10·671
22285	13	14·503	10·882
22286	12	16·640	10·599
22287	20	17·590	10·155
22288	13	20·550	10·811
22289	12	25·402	10·474
22290	12	1·885	11·144
22291	12	7·949	11·917
22292	20	16·960	11·617
22293	11	19·932	11·150
22294	11	1·091	12·874
22295	11	1·279	12·445
22296	13	2·183	12·267
22297	12	3·885	12·376
22298	13	5·340	12·555
22299*	25	6·341	12·781
22300	14	9·172	12·995
22301	11	9·200	12·742
22302	12	9·320	12·273
22303	11	10·501	12·752
22304	22	15·338	12·138
22305	12	15·464	12·839
22306*	33	17·687	12·969
22307	14	25·167	12·307
22308	10	0·736	13·343
22309	10	0·783	13·474
22310	11	1·715	13·788
22311	13	3·773	13·449
22312	12	4·475	13·389
22313	13	6·915	13·048
22314	12	13·230	13·182
22315	15	17·944	13·545
22316*	42	24·499	13·933
22317	12	25·091	13·491
22318	19	25·229	13·698
22319*	23	0·391	14·489
22320	10	4·950	14·507
22321	12	5·415	14·461
22322	20	7·274	14·040
22323	18	8·615	14·133
22324	13	10·677	14·324
22325	13	12·415	14·119
22326	13	13·781	14·670
22327	13	19·132	14·640
22328	15	19·141	14·853
22329	12	20·933	14·914
22330	12	6·195	15·964
22331	20	6·504	15·955
22332	10	8·589	15·510
22333	22	8·760	15·089
22334	12	10·051	15·162
22335	10	10·521	15·447
22336*	32	12·528	15·710
22337	11	12·561	15·961
22338	10	12·963	15·362
22339	12	17·038	15·362
22340	19	21·761	15·710
22341	22	23·850	15·322
22342	11	25·833	15·806
22343	13	0·350	16·639
22344	12	2·690	16·954
22345	13	3·295	16·737
22346	22	12·735	16·729
22347	11	14·115	16·385
22348	14	22·665	16·767
22349	12	2·381	17·929
22350	10	6·244	17·759
22351	10	7·726	17·860
22352	25	8·636	17·555
22353	11	9·650	17·980
22354	18	10·110	17·055
22355	17	10·546	17·644
22356	22	12·480	17·579
22357	13	18·649	17·329
22358	12	20·455	17·240
22359	11	9·044	18·260
22360	22	9·910	18·469
22361*	32	16·317	18·061
22362	11	16·627	18·130
22363	10	18·661	18·444
22364	13	19·209	18·191
22365	12	21·812	18·500
22366	11	23·860	18·125
22367	12	0·137	19·145
22368	21	5·842	19·502
22369	22	9·360	19·064
22370	32	9·752	19·693
22371	10	10·573	19·264
22372	11	11·780	19·700
22373	10	12·164	19·157
22374	22	15·803	19·494
22375	18	17·676	19·251
22376*	28	24·422	19·322
22377	11	1·381	20·749
22378	13	14·097	20·850
22379	12	25·560	20·986
22380	22	1·766	21·446
22381*	22	1·810	21·519
22382	11	3·531	21·438
22383	25	4·937	21·555
22384	10	7·909	21·810
22385	12	15·071	21·530
22386	19	16·847	21·529
22387	10	18·595	21·816
22388	10	19·836	21·217
22389	11	20·740	21·883
22390	20	1·095	22·569
22391	12	1·821	22·131
22392	11	3·116	22·003
22393*	25	4·462	22·201
22394	13	5·730	22·822
22395	13	11·119	22·650
22396	11	11·334	22·522
22397	17	21·450	22·682
22398	13	24·414	22·522
22399*	26	24·523	22·337
22400	11	24·620	22·891
22401	13	24·760	22·360
22402	14	6·785	23·603
22403	13	8·450	23·570
22404*	26	10·324	23·208
22405	12	13·690	23·511
22406	11	13·802	23·410
22407	25	14·047	23·811
22408	22	15·247	23·628
22409	11	15·390	23·567
22410	19	0·430	24·063
22411	31	0·683	24·402
22412	21	1·269	24·751
22413	11	1·789	24·166
22414	10	9·435	24·163
22415	11	13·284	24·458
22416	10	15·419	24·425
22417	11	15·885	24·816
22418	23	18·489	24·076
22419	12	18·660	24·152
22420	11	21·118	24·738
22421	11	21·525	24·022
22422	21	22·741	24·731
22423	22	9·612	25·677
22424	12	11·760	25·844
22425	13	17·000	25·649
22426	12	18·303	25·611
22427	21	18·965	25·165
22428	13	20·200	25·771
22429	10	22·908	25·715
22430	11	23·868	25·418
22431	14	25·479	25·887

R. A. 8h 37m

Plate 2342 ; 1904 Jan. 15.

Provisional Constants.

A	B	C
−·00062	−·00014	−·1241
D	**E**	**F**
+·00003	−·00053	−·0103

Mag. = 16·0 − 1·36$\sqrt{d}$

No.	d	x	y
22501*	40	0·546	0·872
22502	14	7·416	0·950
22503	15	9·951	0·791
22504	15	11·269	0·640
22505	17	11·920	0·383
22506	18	15·683	0·354
22507	14	18·557	0·330
22508	10	19·263	0·900
22509	22	19·391	0·264
22510	21	21·130	0·316
22511	18	24·724	0·821
22512	21	1·795	1·750
22513	13	7·511	1·683
22514*	26	18·226	1·414
22515	23	1·127	2·815
22516	23	1·142	2·896
22517	13	7·155	2·218
22518	16	9·014	2·769
22519	14	9·229	2·799
22520	13	9·452	2·426
22521	11	13·419	2·080
22522	22	15·077	2·383
22523	18	22·826	2·126
22524	14	6·687	3·654

No.	d	x	y
22525	21	7·536	3·113
22526	10	22·512	3·228
22527	16	25·063	3·423
22528	24	25·424	3·603
22529	18	2·114	4·736
22530	12	16·355	4·576
22531	16	17·543	4·793
22532	11	21·260	4·741
22533	16	21·478	4·476
22534*	50	0·064	5·477
22535	21	3·659	5·880
22536	26	5·620	5·815
22537	13	6·297	5·681
22538*	28	9·087	5·200
22539	22	13·227	5·236
22540	12	15·285	5·710
22541	10	15·839	5·634
22542	12	19·774	5·096
22543	14	8·354	6·233
22544	12	12·070	6·950
22545	11	13·880	6·630
22546	10	23·269	7·686
22547	23	2·720	8·380
22548	11	7·559	8·839
22549	11	13·402	8·152
22550	11	20·834	8·380
22551	12	5·369	9·448
22552	20	7·688	9·840
22553	12	15·217	9·057
22554	17	17·384	9·007
22555*	19	22·926	9·826
22556	11	23·802	9·209
22557	13	25·717	9·557
22558	12	2·061	10·307
22559	10	8·217	10·507
22560	15	8·254	10·552
22561	18	9·457	10·800
22562	11	12·737	10·197
22563	14	13·964	10·654
22564	20	25·781	10·460
22565*	22	2·930	11·217
22566	12	5·081	11·884
22567	16	7·149	11·041
22568	20	7·982	11·564
22569	21	16·140	11·161
22570	18	17·729	11·652
22571	11	22·886	11·103
22572	19	1·877	12·144
22573	11	9·411	12·842
22574	13	10·219	12·336
22575	11	22·300	12·757
22576*	43	1·252	13·790
22577	13	1·835	13·330
22578	18	1·978	13·534
22579*	26	3·994	13·877
22580	18	4·696	13·459
22581	12	4·899	13·691
22582	14	10·420	13·021
22583	20	11·314	13·019
22584	21	16·565	13·036
22585*	50	18·578	13·718
22586	14	19·630	13·284
22587	20	22·740	13·756
22588	11	23·712	13·370
22589	10	24·866	13·762
22590	14	3·909	14·749
22591	17	20·341	14·120
22592	27	0·643	15·195
22593	12	6·306	15·296
22594	18	8·423	15·430
22595*	27	16·887	15·863
22596	22	17·767	15·668
22597	11	19·154	15·028
22598	17	20·044	15·634
22599	12	9·074	16·307
22600*	22	10·130	16·211
22601	12	12·750	16·455
22602	11	20·575	16·730
22603	10	22·455	16·294
22604*	29	5·119	17·520
22605	11	5·370	17·563
22606*	23	12·070	17·835
22607	17	16·664	17·545
22608	12	10·738	18·737
22609	18	13·440	18·006
22610*	23	17·360	18·860
22611	12	19·876	18·875
22612	13	25·013	18·597
22613*	30	1·320	19·180
22614	12	6·925	19·600
22615*	21	10·087	19·598
22616	10	11·570	19·619
22617	14	14·744	19·201
22618	13	15·557	19·180
22619	11	21·030	19·920
22620	12	22·228	19·511
22621	13	23·337	19·394
22622	13	2·505	20·810
22623	20	6·600	20·122
22624	10	6·644	20·100
22625	12	8·000	20·057
22626	11	10·737	20·610
22627	10	13·067	20·432
22628	11	13·193	20·450
22629	11	15·107	20·101
22630	15	15·199	20·028
22631	14	21·244	20·864
22632	21	24·802	20·620
22633*	22	11·807	21·002
22634	12	13·066	21·327
22635	11	13·181	21·976
22636*	22	13·927	21·094
22637	22	25·159	21·946
22638	18	1·406	22·374
22639*	27	1·505	22·190
22640	15	1·740	22·209
22641	15	5·336	22·181
22642	13	5·550	22·370
22643	24	8·252	22·139
22644	14	19·980	22·032
22645	12	20·220	22·560
22646	14	20·322	22·919
22647	14	23·758	22·265
22648	13	7·886	23·574
22649	12	9·227	23·370
22650	13	9·270	23·888
22651	10	12·680	23·080
22652	15	13·076	23·434
22653	11	14·377	23·730
22654	13	8·770	24·119
22655	19	14·883	24·790
22656	18	19·838	24·177
22657	18	2·557	25·715
22658	26	3·412	25·236
22659	28	12·080	25·978
22660	18	16·254	25·552
22661	13	16·582	25·574
22662	20	22·466	25·511

R. A. 8h 46m

Plate 2323; 1903 Oct. 30.

Provisional Constants.

A	B	C
−·00055	+·00337	−·1552
D	**E**	**F**
−·00332	−·00020	+·0202

Mag. = 16·3 − 1·36 $\sqrt{d}$

No.	d	x	y
22701	27	1·324	0·845
22702	17	9·424	0·686
22703	14	15·140	0·421
22704	14	15·216	0·346
22705	20	15·847	0·684
22706	20	18·593	0·450
22707	17	19·591	0·850
22708	16	20·961	0·291
22709	14	7·207	1·380
22710	14	8·027	1·727
22711	13	10·210	1·955
22712	18	11·896	1·419
22713	17	25·727	1·785
22714	18	9·027	2·860
22715	16	12·428	2·484
22716	12	12·443	2·024
22717	10	18·779	2·317
22718	12	19·354	2·943
22719	22	1·724	3·440
22720	29	2·088	3·613
22721	16	4·881	3·036
22722	18	5·241	3·569
22723	17	5·265	3·981
22724	16	8·658	3·206
22725	12	11·238	3·622
22726*	48	13·085	3·724
22727	16	14·551	3·409
22728*	26	18·607	3·059
22729	18	3·526	4·101
22730*	14	4·908	4·653
22731	19	6·571	4·270
22732	20	10·888	4·884
22733	21	12·346	4·446
22734	12	22·314	4·294
22735	17	4·702	5·268
22736	18	12·796	5·824
22737*	41	15·258	5·040
22738	22	16·690	5·207
22739	17	7·679	6·138
22740	15	14·110	6·619
22741	18	15·101	6·632
22742	22	15·629	6·697
22743	12	21·673	6·171
22744	13	24·663	6·179
22745	17	10·637	7·432
22746	16	15·910	7·149
22747	20	17·888	7·806
22748*	30	18·391	7·010
22749	14	19·249	7·980
22750	19	20·847	7·470
22751	14	3·821	8·334
22752	13	3·941	8·994
22753	14	4·315	8·505
22754	14	7·177	8·264
22755	16	7·919	8·043
22756	13	18·604	8·000
22757*	35	18·827	8·131
22758	12	19·299	8·357
22759	19	24·504	8·028
22760	17	0·602	9·253
22761	19	2·522	9·559
22762	22	3·445	9·156
22763	18	8·619	9·897
22764	19	9·633	9·561
22765	21	16·762	9·304
22766	13	18·985	9·447
22767	22	2·604	10·456
22768	13	2·838	10·070
22769*	26	3·364	10·696
22770*	26	18·196	10·168
22771	18	21·410	10·579
22772*	30	4·299	11·220
22773	14	5·578	11·686
22774	14	8·948	11·037
22775	17	10·353	11·874
22776	27	18·305	11·724
22777	14	19·154	11·281
22778	12	20·912	11·911
22779	17	3·570	12·099
22780	12	3·824	12·050
22781	11	6·587	12·824
22782*	63	18·399	12·470
22783	15	22·709	12·971
22784	18	0·607	13·414
22785	13	1·770	13·783
22786	11	10·160	13·190
22787	19	10·161	13·209
22788*	24	24·639	13·120
22789	18	6·944	14·420
22790	20	6·984	14·362
22791	16	10·141	14·454
22792	17	14·320	14·284
22793	18	14·835	14·272
22794*	19	16·591	14·241
22795	22	17·741	14·339
22796	13	4·908	15·519
22797	11	7·004	15·594
22798	21	8·234	15·396
22799	21	12·754	15·113
22800	12	23·875	15·591
22801	12	24·275	15·770
22802	26	3·501	16·151
22803	21	8·646	16·656
22804	16	9·836	16·677
22805	12	10·400	16·756
22806	22	11·606	16·833
22807	19	17·739	16·206
22808	15	4·454	17·950
22809	17	9·011	17·588
22810	22	10·663	17·436
22811	16	11·734	17·622
22812*	24	13·482	17·854
22813	26	14·050	17·250
22814	22	14·600	17·522
22815	17	14·942	17·973
22816*	31	15·947	17·481
22817	16	16·932	17·585
22818	22	2·028	18·610
22819	17	7·914	18·666
22820	13	8·977	18·691
22821	18	14·960	18·441
22822*	34	15·283	18·441
22823	13	20·677	18·194
22824	22	21·688	18·396
22825	13	23·044	18·153
22826	18	0·375	19·446
22827	16	6·379	19·725
22828	14	6·906	19·874
22829*	28	6·937	19·993
22830	21	9·908	19·720
22831	11	11·640	19·363
22832	19	13·355	19·629
22833	20	13·466	19·456
22834	13	14·226	19·901
22835	19	16·286	19·280
22836	12	17·544	19·098
22837	12	20·427	19·311
22838	28	1·868	20·639
22839	16	6·343	20·987
22840	12	8·293	20·716
22841	16	14·344	20·469
22842	26	2·255	21·955
22843	22	5·300	21·360
22844	15	5·455	21·372
22845	11	10·111	21·778
22846	18	10·994	21·167
22847	11	12·436	21·140
22848	12	22·060	21·427
22849	27	24·994	21·292
22850	17	25·948	21·570
22851	20	0·862	22·303
22852*	26	10·124	22·290
22853	16	19·097	22·717
22854	10	19·134	22·911
22855	10	22·077	22·986
22856	13	22·434	22·944
22857	20	23·213	22·314
22858	21	24·546	22·200
22859	17	6·823	23·32
22860	20	16·766	23·92
22861	11	18·199	23·60
22862	18	23·065	23·614
22863	34	3·830	24·24
22864	12	16·610	24·53
22865	14	17·580	24·44
22866	18	17·946	24·14
22867	12	19·274	24·54
22868	14	8·500	25·23
22869	14	10·064	25·03
22870	11	11·660	25·22
22871	12	11·823	25·82
22872	14	18·086	25·171
22873	17	23·429	25·73

R.A. 8h 55m

Plate 2324; 1903 Oct. 30.

Provisional Constants.

A	B	C
−·00061	+·00499	−·189
D	**E**	**F**
−·00477	−·00060	+·102

Mag. = 16·5 − 1·36 $\sqrt{d}$

No.	d	x	y
22901	11	11·851	0·32
22902	11	15·190	0·034
22903	10	20·432	0·54
22904	12	22·614	0·64
22905	13	4·791	1·12
22906	20	13·040	1·22
22907	13	13·319	1·51
22908*	24	21·513	1·21

No.	d	x	y
22909*	32	24·970	1·056
22910	11	9·280	2·740
22911	10	10·752	2·058
22912	13	11·446	2·205
22913	17	14·460	2·862
22914	13	19·542	2·966
22915	25	6·436	3·054
22916	11	6·610	3·797
22917	10	8·895	3·241
22918*	25	11·394	3·391
22919	21	12·341	3·287
22920	10	15·820	3·716
22921	13	21·244	3·855
22922	22	22·750	3·371
22923	10	5·226	4·917
22924	11	10·134	4·737
22925	18	19·812	4·669
22926	10	21·878	4·161
22927	11	22·480	4·100
22928	21	14·427	5·032
22929	14	25·289	5·977
22930	11	1·372	6·326
22931	11	10·585	6·603
22932	12	12·427	6·414
22933	21	13·930	6·811
22934*	46	18·207	6·986
22935	21	4·518	7·799
22936	10	6·721	7·970
22937*	31	12·373	7·220
22938	14	23·778	7·080
22939	10	25·386	7·150
22940	17	25·826	7·960
22941	13	1·254	8·179
22942*	59	4·861	8·520
22943	22	9·080	8·185
22944	22	9·777	8·680
22945	12	11·915	8·489
22946	15	12·636	8·995
22947	11	19·271	8·478
22948	10	19·775	9·640
22949	12	24·550	9·827
22950	22	6·359	10·327
22951	25	9·220	10·715
22952	10	22·185	10·508
22953	10	25·518	10·405
22954	10	4·282	11·211
22955	12	4·610	11·796
22956*	31	7·044	11·317
22957	10	13·464	11·364
22958	18	15·895	11·301
22959	12	20·960	11·500
22960	22	22·326	11·015
22961	13	22·740	11·850
22962	10	7·476	12·028
22963*	32	7·711	12·545
22964*	28	1·497	13·265
22965	10	5·507	13·371
22966	15	8·010	13·586
22967	22	19·960	13·547
22968	10	4·143	14·182
22969	11	6·417	14·386
22970	10	6·511	14·611
22971	11	22·633	14·457
22972	12	25·118	14·385
22973	11	0·783	15·750
22974	11	1·192	15·921
22975*	39	14·224	15·915
22976	15	16·594	15·517
22977	20	8·035	16·018
22978	11	20·303	16·525
22979	10	21·844	16·749
22980	13	22·750	16·568
22981*	25	2·986	17·450
22982	11	3·333	17·660

No.	d	x	y
22983	20	9·069	17·189
22984	13	22·387	17·753
22985	11	24·150	17·993
22986	9	0·011	18·331
22987	11	4·659	18·527
22988	22	7·679	18·557
22989	11	10·156	18·560
22990	11	10·780	18·514
22991	22	15·165	18·270
22992	11	15·657	18·532
22993	11	23·310	18·089
22994	11	24·700	18·097
22995	12	6·980	19·088
22996	11	11·425	19·940
22997	18	12·559	19·232
22998	10	17·209	19·465
22999	11	22·284	19·100
23000	10	22·401	19·842
23001	13	7·279	20·218
23002	21	12·934	20·743
23003	18	17·575	20·950
23004	11	18·889	20·836
23005	13	21·066	20·936
23006	10	25·743	20·077
23007	25	2·030	21·429
23008	14	2·785	21·690
23009	13	3·425	21·732
23010	13	6·167	21·555
23011	11	7·517	21·490
23012	10	7·569	21·619
23013	10	11·750	21·095
23014	12	17·742	21·360
23015	22	0·271	22·489
23016	18	1·599	22·343
23017	11	8·462	22·810
23018	11	9·055	22·031
23019	11	12·454	22·399
23020	10	14·605	22·827
23021*	31	17·016	22·122
23022	11	24·041	22·742
23023	11	0·149	23·789
23024*	32	4·345	23·947
23025*	35	10·333	23·368
23026	11	12·384	23·131
23027	13	16·137	23·430
23028	10	22·257	23·981
23029*	32	3·247	24·806
23030	13	3·326	24·555
23031	9	6·918	24·241
23032	10	8·756	24·496
23033	12	12·650	24·278
23034	22	15·247	24·460
22035	10	17·616	24·426
23036	21	17·861	24·415
23037	10	3·589	25·184
23038	11	7·425	25·964
23039	10	8·571	25·420
23040	10	11·317	25·520
23041*	28	14·397	25·547
23042	10	15·810	25·541
23043	12	16·642	25·592
23044	11	16·895	25·618
23045	12	17·269	25·144

R. A. 9h 4m

Plate 2345 ; 1904 Jan. 15.

Provisional Constants.

A	B	C
−·00048	+·00774	−·3026
D	**E**	**F**
−·00733	−·00069	+·1990

Mag. = $16·0 - 1·36\sqrt{d}$

No.	d	x	y
23101	20	9·109	0·594
23102*	33	12·949	0·670
23103	13	13·071	0·025
23104	12	13·312	0·527
23105	10	15·506	0·382
23106	12	17·650	0·805
23107*	13	18·442	0·166
23108*	37	1·491	1·251
23109	12	5·085	1·841
23110*	32	6·532	1·200
23111*	60	7·516	1·830
23112	13	8·254	1·059
23113	10	9·800	1·690
23114	10	22·114	1·545
23115	15	23·441	1·589
23116	15	25·455	1·681
23117	15	3·309	2·571
23118	12	4·688	2·262
23119	22	8·440	2·903
23120	29	9·614	2·497
23121	12	15·900	2·924
23122	10	18·634	2·594
23123	10	19·550	2·955
23124	13	25·345	2·996
23125	10	3·836	3·707
23126	10	5·886	3·716
23127	10	20·789	3·144
23128	10	21·192	3·850
23129	13	25·071	4·957
23130	11	10·049	5·332
23131	22	22·024	5·707
23132	22	22·084	5·499
23133*	42	24·128	5·362
23134	13	1·923	6·162
23135	13	2·801	6·552
23136	10	4·333	6·000
23137	10	5·810	6·531
23138	10	10·037	6·461
23139	14	10·205	6·241
23140	10	10·180	6·954
23141	22	14·954	6·045
23142	13	18·979	6·024
23143	13	20·388	6·847
23144	13	24·741	6·729
23145	13	0·436	7·302
23146	10	13·321	7·670
23147*	23	14·772	7·230
23148	22	17·849	7·119
23149	10	18·889	7·348
23150	20	21·550	7·172
23151	13	2·505	8·135
23152	10	3·841	8·209
23153*	32	8·096	8·663
23154	11	8·583	8·747
23155	22	16·900	8·870
23156	13	18·502	8·429

No.	d	x	y
23157	12	23·393	8·872
23158	17	23·804	8·078
23159	13	3·411	9·489
23160	10	3·787	9·737
23161	14	8·290	9·705
23162*	34	8·562	9·776
23163	10	9·663	9·354
23164	11	14·533	9·060
23165*	40	18·790	9·583
23166	13	23·525	9·268
23167	10	1·270	10·030
23168	10	2·256	10·587
23169	10	4·589	10·515
23170	10	5·216	10·479
23171	22	5·562	10·632
23172	12	6·008	10·491
23173*	22	14·027	10·301
23174	14	15·250	10·696
23175	10	16·579	10·505
23176	20	9·937	11·745
23177*	29	11·649	11·800
23178	22	11·975	11·386
23179	22	12·226	11·094
23180	13	15·852	11·066
23181	18	18·554	11·956
23182*	24	10·437	12·121
23183	12	14·287	12·968
23184*	22	14·358	12·512
23185	13	24·289	12·899
23186	10	4·966	13·160
23187*	32	5·443	13·698
23188	10	6·085	13·591
23189	12	7·342	13·116
23190*	32	9·027	13·475
23191	13	13·080	13·883
23192	10	14·768	13·109
23193	12	18·690	13·079
23194	10	20·060	13·481
23195	18	22·412	13·368
23196	11	24·376	13·596
23197	11	1·945	14·573
23198	12	6·644	14·015
23199	14	7·280	14·861
23200	10	7·576	14·592
23201	10	11·476	14·315
23202*	46	11·782	14·531
23203	12	17·045	14·278
23204	10	19·074	14·114
23205	11	19·844	14·396
23206	12	21·370	14·507
23207*	22	23·444	14·901
23208	16	6·508	15·079
23209	10	13·429	15·204
23210	11	16·991	15·786
23211	17	25·544	15·699
23212*	32	3·529	16·959
23213	11	8·234	16·130
23214	32	25·838	16·791
23215	11	5·493	17·397
23216	10	7·317	17·628
23217	12	7·967	17·163
23218*	56	14·380	17·531
23219	22	14·449	17·132
23220	11	18·150	17·511
23221	12	20·872	17·313
23222	10	1·058	18·202
23223	10	1·609	18·297
23224	12	4·526	18·280
23225*	22	7·854	18·880
23226	10	10·821	18·887
23227	13	10·944	18·154
23228	13	13·281	18·268
23229	19	22·136	18·390
23230	10	23·048	18·277

No.	d	x	y
23231	13	11·400	19·910
23232	10	20·452	19·303
23233*	25	23·140	19·000
23234	10	5·146	20·664
23235*	43	6·633	20·394
23236	12	8·618	20·848
23237	22	20·545	20·666
23238	11	24·732	20·558
23239	13	3·239	21·317
23240	11	3·545	21·856
23241	10	7·535	21·063
23242	10	14·788	21·170
23243	13	17·252	21·070
23244	12	17·989	21·536
23245*	27	4·964	22·764
23246	10	6·955	22·319
23247	18	13·568	22·339
23248	10	13·711	22·138
23249	15	3·655	23·373
23250	15	7·764	23·906
23251	10	17·689	23·629
23252	23	22·179	23·410
23253	13	10·776	24·411
23254	13	14·042	24·377
23255	11	15·286	24·126
23256	12	20·211	24·151
23257	12	21·167	24·415
23258	20	22·256	24·940
23259	11	22·660	24·354
23260	17	24·950	24·418
23261	12	8·313	25·323
23262	10	11·988	25·455
23263	12	15·365	26·000
23264	10	19·688	25·674
23265	22	23·021	25·035

R. A. 9h 13m

Plate 2237 ; 1903 Apr. 19.

Provisional Constants.

A	B	C
−·00102	+·00507	−·1646
D	**E**	**F**
−·00563	−·00022	+·0635

Mag. = $16·7 - 1·36\sqrt{d}$

No.	d	x	y
23301	15	4·779	0·055
23302*	26	10·766	0·804
23303	13	11·194	0·600
23304	10	13·019	0·473
23305	27	15·338	0·911
23306	16	20·391	0·141
23307	11	21·037	0·342
23308	20	21·757	0·450
23309	13	22·872	0·540
23310	25	0·201	1·647
23311	18	2·219	1·705
23312	12	4·733	1·456
23313	21	20·304	1·801
23314	25	4·060	2·729
23315	13	9·091	2·790
23316*	37	11·868	2·944

23317	24	16·747	2·713
23318	17	2·127	3·021
23319	22	3·960	3·560
23320	9	12·361	3·120
23321	9	12·499	3·090
23322*	40	12·511	3·897
23323	21	18·517	3·074
23324	14	20·763	3·726
23325	17	1·895	4·986
23326	13	7·129	4·313
23327	11	9·870	4·935
23328	21	11·116	4·636
23329	22	19·352	4·850
23330	12	22·720	4·630
23331	11	23·249	4·924
23332	8	24·019	4·750
23333*	57	0·957	5·410
23334	13	7·443	5·303
23335	22	17·355	5·210
23336	10	21·825	5·588
23337	12	22·652	5·729
23338	17	23·585	5·037
23339	16	1·594	6·764
23340*	25	6·173	6·541
23341	12	6·297	6·841
23342	12	7·829	6·687
23343	18	12·553	6·760
23344	25	14·358	6·474
23345	10	15·894	6·022
23346	10	18·295	6·827
23347	19	18·880	6·415
23348	10	9·046	7·320
23349	21	10·920	7·249
23350	12	13·107	7·181
23351	10	14·781	7·163
23352	11	22·590	7·070
23353	22	23·634	7·647
23354	20	23·643	7·705
23355	17	0·286	8·933
23356	24	0·682	8·130
23357	22	2·938	8·670
23358	10	7·126	8·647
23359	10	9·807	8·476
23360	12	13·038	8·888
23361	10	17·206	8·901
23362	9	21·207	8·931
23363	12	22·224	8·493
23364*	26	23·296	8·466
23365	12	24·509	8·890
23366	20	24·526	8·810
23367	22	0·424	9·326
23368	14	3·199	9·926
23369	10	4·327	9·260
23370	12	5·540	9·013
23371	11	9·008	9·574
23372	19	9·426	9·877
23373	12	16·091	9·961
23374	12	18·416	9·554
23375	24	3·023	10·246
23376	11	5·466	10·619
23377	11	6·028	10·319
23378	11	7·500	10·554
23379*	41	7·790	10·530
23380	20	13·544	10·094
23381	14	19·900	10·010
23382	13	6·527	11·444
23383	12	8·230	11·550
23384	14	9·272	11·250
23385	14	22·530	11·723
23386	22	1·249	12·941
23387	12	3·167	12·469
23388	13	3·867	12·057
23389	14	6·033	12·832
23390	20	11·592	12·327

23391	24	12·586	12·388
23392	14	14·263	12·519
23393	10	18·975	12·317
23394	10	21·197	12·270
23395	20	22·854	12·970
23396	16	1·354	13·639
23397	14	3·772	13·660
23398	14	6·040	13·897
23399	9	6·680	13·755
23400	25	14·100	13·869
23401	16	18·105	13·896
23402	18	19·150	13·064
23403	8	21·829	13·582
23404*	30	0·443	14·960
23405	19	17·881	14·299
23406	11	19·294	14·787
23407	12	23·910	14·238
23408	24	2·559	15·718
23409	13	6·828	15·618
23410	11	7·891	15·641
23411	11	17·051	15·941
23412	12	24·485	15·886
23413*	39	2·876	16·808
23414	22	4·000	16·240
23415	17	4·673	16·163
23416	12	6·051	16·674
23417	12	8·486	16·231
23418	11	14·081	16·749
23419	15	15·473	16·701
23420	14	21·929	16·039
23421	22	22·439	16·217
23422	12	7·469	17·843
23423	16	9·684	17·149
23424	9.	9·813	17·239
23425	11	10·921	17·569
23426	10	13·739	17·924
23427	13	14·373	17·320
23428*	29	15·387	17·520
23429	11	19·500	17·059
23430	10	23·751	18·605
23431	16	2·952	18·644
23432	22	4·100	18·790
23433	7	4·993	18·546
23434	22	8·560	18·700
23435	18	9·160	18·850
23436	9	9·161	18·900
23437	12	14·416	18·614
23438	19	18·030	18·202
23439	9	22·577	18·100
23440*	24	24·994	18·666
23441*	48	0·215	19·064
23442	15	6·839	19·250
23443	17	9·372	19·264
23444	9	10·391	19·223
23445	12	12·474	19·277
23446	14	15·959	19·296
23447	15	21·446	19·662
23448	13	4·134	20·850
23449	16	5·567	20·828
23450	11	10·040	20·723
23451	22	17·286	20·031
23452	16	25·371	20·436
23453	16	3·893	21·157
23454	20	5·680	21·580
23455	7	7·245	21·808
23456*	34	8·932	21·643
23457	16	9·973	21·250
23458	12	16·818	21·824
23459	11	18·892	21·161
23460	16	23·064	21·566
23461	11	8·491	22·160
23462	20	9·957	22·147
23463	22	10·123	22·462
23464	9	17·991	22·599

23465	8	18·623	22·150
23466	9	20·018	22·656
23467	13	20·437	22·319
23468	17	13·564	23·470
23469	16	17·718	23·719
23470	22	20·969	23·846
23471	13	21·680	23·224
23472	22	25·007	23·824
23473	29	2·121	24·450
23474	13	13·275	24·844
23475	11	18·479	24·474
23476	23	0·203	25·106
23477	18	10·500	25·510
23478	14	10·829	25·701
23479	11	12·600	25·051
23480	11	18·300	25·937

R. A. 9h 22m

Plate 2346 ; 1904 Jan. 15.

Provisional Constants.

A	B	C
−·00062	+·00136	−·1299
D	**E**	**F**
−·00121	−·00062	+·0636

Mag. = 16·0 − 1·36 √*d*

No.	*d*	*x*	*y*
23501*	42	5·606	0·801
23502.	13	7·675	0·265
23503	12	21·682	0·145
23504	10	4·798	1·561
23505	10	5·997	1·126
23506	10	11·200	1·237
23507*	32	19·515	1·203
23508*	32	24·807	1·421
23509	10	8·274	2·102
23510	10	11·632	2·080
23511	10	11·643	2·594
23512	11	16·947	2·690
23513	18	21·807	2·428
23514*	12	5·364	3·666
23515*	22	12·647	3·397
23516	21	19·795	3·938
23517	10	22·970	3·598
23518	11	3·292	4·720
23519	9	19·009	4·553
23520	13	19·215	4·364
23521	19	21·064	4·698
23522	13	0·311	5·185
23523	11	8·770	5·304
23524	10	13·375	5·211
23525	13	17·385	5·561
23526*	21	24·852	5·222
23527	13	3·009	6·968
23528	11	12·017	6·111
23529	13	14·779	6·010
23530*	23	18·451	6·768
23531	11	21·697	6·533
23532	13	0·402	7·793
23533	11	0·413	7·851
23534	11	3·013	7·831
23535*	13	4·292	7·709

23536*	28	5·277	7·845
23537	10	9·670	7·140
23538	20	14·543	7·425
23539	11	17·661	7·056
23540	10	17·767	7·729
23541*	18	0·077	8·616
23542	13	1·315	8·940
23543	20	3·030	8·483
23544	10	13·757	8·517
23545	13	23·649	8·380
23546*	22	10·300	9·813
23547	11	25·650	9·657
23548	10	16·650	10·203
23549	11	19·725	10·960
23550	10	24·202	10·128
23551	10	13·128	11·090
23552	12	20·984	11·400
23553	13	23·043	11·688
23554*	22	23·716	11·750
23555	18	23·722	11·745
23556*	34	6·503	12·211
23557*	15	12·689	12·386
23558	10	19·739	12·739
23559	22	7·924	13·139
23560	12	16·736	13·407
23561	18	25·901	13·655
23562	32	25·997	13·245
23563*	24	3·975	14·996
23564	12	11·489	14·955
23565	21	19·870	14·385
23566	13	22·372	14·437
23567	11	3·688	15·841
23568	22	9·151	15·551
23569	20	15·450	15·873
23570	12	24·065	15·712
23571	10	1·385	16·015
23572	11	4·950	16·325
23573	10	9·675	16·130
23574	11	10·285	16·554
23575	11	12·407	16·846
23576	11	16·855	16·782
23577*	20	20·685	16·379
23578	13	3·950	17·551
23579	12	7·634	17·920
23580	10	7·924	17·789
23581	10	14·655	17·830
23582	11	15·947	17·000
23583*	18	1·940	18·789
23584	12	3·065	18·161
23585	10	4·339	18·192
23586	11	5·555	18·590
23587	10	5·905	18·160
23588	13	15·395	18·340
23589	13	18·551	18·449
23590	11	20·412	18·104
23591*	22	21·909	18·599
23592	17	8·006	19·481
23593	12	17·034	19·617
23594	9	25·639	19·649
23595	11	2·347	20·550
23596*	23	8·580	20·003
23597*	32	9·264	20·438
23598	12	11·277	20·244
23599	20	11·565	20·691
23600	10	14·450	20·434
23601	10	17·447	20·941
23602*	26	18·045	20·719
23603	10	18·083	20·037
23604*	29	21·327	20·066
23605	10	16·114	21·586
23606	12	16·280	21·064
23607	11	16·740	21·668
23608	11	20·230	21·151
23609	11	20·865	21·587

23610	10	22·035	21·28
23611*	30	7·777	22·01
23612	11	8·210	22·51
23613*	32	13·889	22·90
23614	22	15·871	22·33
23615*	41	18·584	22·22
23616	10	20·539	22·48
23617	19	2·039	23·94
23618	10	6·755	23·95
23619	13	9·075	23·45
23620	10	10·467	23·23
23621	12	10·895	23·28
23622	31	12·701	23·85
23623	13	18·158	23·961
23624	10	19·416	23·15
23625	10	20·685	23·05
23626	12	21·267	23·00
23627	12	22·570	23·80
23628*	32	3·795	24·89
23629	25	4·139	24·06
23630	22	5·850	24·93
23631	10	12·811	24·93
23632	10	9·127	25·79
23633	11	18·440	25·62
23634	15	22·774	25·40

R. A. 9h 31m

Plate 2347 ; 1904 Jan. 15.

Provisional Constants.

A	B	C
−·00049	+·00098	−·095
D	**E**	**F**
−·00089	−·00055	−·025

Mag. = 16·0 − 1·36 √*d*

No.	*d*	*x*	*y*
23701	17	4·026	0·921
23702*	26	12·561	0·11
23703	13	13·830	0·54
23704	10	18·213	0·70
23705	24	25·857	0·141
23706*	47	1·478	1·35
23707	14	6·487	1·92
23708	10	11·799	1·314
23709	11	16·443	1·67
23710	14	22·851	1·09
23711	22	3·541	3·94
23712	16	9·040	3·37
23713	11	10·672	3·89
23714	12	16·043	3·67
23715	18	17·799	3·90
23716	10	17·934	3·214
23717	12	23·274	3·26
23718	14	25·821	3·00
23719	15	8·487	4·13
23720	20	11·518	4·35
23721	19	15·536	4·29
23722	13	15·893	4·56
23723*	36	17·731	4·70
23724	20	18·554	4·33
23725	17	19·328	4·47
23726	14	25·497	4·83
23727	15	25·534	4·53

No.	d	x	y
23728*	29	1·595	5·160
23729	12	3·565	5·840
23730	15	15·899	5·636
23731	13	23·057	5·810
23732	12	7·791	6·226
23733	10	8·530	6·690
23734*	25	21·726	6·299
23735	21	24·916	6·810
23736	18	4·145	7·984
23737	19	11·693	7·771
23738	14	13·200	7·470
23739	24	13·700	7·331
23740	17	20·878	7·702
23741	22	0·452	8·337
23742	20	4·907	8·430
23743	14	6·324	8·114
23744*	23	7·967	8·857
23745*	45	17·881	8·206
23746	18	20·113	8·710
23747	19	22·771	8·813
23748	11	24·262	8·423
23749	17	2·482	9·576
23750	19	3·387	9·856
23751	11	4·028	9·710
23752	12	8·168	9·180
23753	12	10·375	9·437
23754	11	14·606	9·176
23755*	28	17·927	9·700
23756*	23	18·315	9·680
23757	12	6·075	10·060
23758	12	8·888	10·545
23759*	33	0·592	11·707
23760	11	6·165	11·414
23761	17	9·057	11·450
23762	14	10·325	11·836
23763	11	21·059	11·994
23764	19	23·611	11·294
23765	10	24·688	11·166
23766	14	3·971	12·712
23767	13	4·277	12·938
23768	19	24·363	12·494
23769	24	2·812	13·569
23770*	40	2·898	13·155
23771	14	3·172	13·266
23772*	23	7·189	13·043
23773	20	14·505	13·377
23774	14	22·824	13·947
23775	11	23·180	13·347
23776	19	24·060	13·379
23777	24	25·136	13·779
23778*	16	10·985	14·763
23779	20	11·167	14·509
23780	13	17·653	14·974
23781	20	1·018	15·660
23782	13	9·464	15·361
23783*	43	17·249	15·500
23784	10	22·337	15·338
23785*	25	23·060	15·332
23786	12	6·223	16·727
23787	10	6·356	16·640
23788	18	12·709	16·371
23789	22	16·979	16·737
23790	17	17·862	16·680
23791	20	19·791	16·940
23792	9	22·134	16·919
23793	11	5·298	17·596
23794*	22	6·534	17·202
23795*	40	14·264	17·821
23796	11	21·320	17·275
23797	14	3·170	18·382
23798	16	5·709	18·550
23799*	31	7·626	18·630
23800	15	17·779	18·935
23801	10	19·597	18·272
23802	14	23·111	18·087
23803	13	2·667	19·567
23804	15	3·109	19·363
23805	14	4·598	19·857
23806*	39	9·228	19·301
23807	14	9·420	19·531
23808*	18	13·766	19·340
23809	11	18·141	19·137
23810	11	20·646	19·924
23811	10	22·792	19·175
23812	14	22·848	19·171
23813	18	23·645	19·109
23814	17	25·086	19·109
23815	11	4·017	20·502
23816	18	9·070	20·826
23817*	58	12·366	20·272
23818	10	16·756	20·645
23819	10	16·955	20·029
23820	12	17·244	20·239
23821	10	17·500	20·865
23822	22	23·120	20·073
23823*	23	23·310	20·640
23824	11	9·610	21·933
23825*	26	13·670	21·324
23826	13	14·521	21·716
23827	10	17·514	21·580
23828	14	23·097	21·941
23829*	47	24·837	21·793
23830	15	25·097	21·883
23831	20	8·299	22·090
23832	11	18·266	22·307
23833	13	5·078	23·234
23834	21	7·382	23·398
23835	19	7·763	23·695
23836	11	8·467	23·151
23837	12	18·621	23·330
23838	27	25·693	23·994
23839	15	11·303	24·040
23840	13	19·278	24·400
23841	10	20·358	24·434
23842	13	24·435	24·831
23843*	37	3·628	25·779
23844	23	7·789	25·598
23845	15	8·577	25·020
23846	19	20·660	25·190
23847*	26	22·488	25·556
23848	27	25·855	25·615

R. A. 9h 40m

Plate 2210; 1903 Mar. 26.

Provisional Constants.

A	B	C
−·00037	+·00409	−·0278
D	**E**	**F**
−·00387	−·00044	+·0117

Mag. = 16·7 − 1·36 $\sqrt{d}$

No.	d	x	y
23901	35	2·536	0·166
23902	22	4·765	0·212
23903	14	7·896	0·721
23904	16	15·493	0·166
23905	10	17·799	0·933
23906	13	19·030	0·444
23907	11	19·808	0·665
23908*	30	21·213	0·299
23909*	19	6·734	1·090
23910	20	11·717	1·457
23911	11	11·725	1·446
23912	11	12·641	1·746
23913	10	13·173	1·834
23914	10	13·954	1·467
23915	10	14·033	1·466
23916	18	15·432	1·984
23917*	39	17·784	1·606
23918	21	24·559	1·939
23919	41	3·378	2·241
23920	10	7·854	2·376
23921	12	12·176	2·024
23922	13	14·052	2·064
23923	20	16·842	2·404
23924	11	23·717	2·341
23925	10	23·855	2·461
23926	20	24·946	2·682
23927	19	25·114	2·204
23928	12	2·807	3·640
23929	7	7·727	3·458
23930	10	8·463	3·570
23931	18	12·891	3·975
23932	18	20 633	3·447
23933	12	25·725	3·611
23934	12	2·284	4·871
23935	10	2·313	4·566
23936	22	5·460	4·266
23937	10	8·740	4·841
23938*	24	21·414	4·797
23939	9	22·175	4·261
23940	10	23·313	4·287
23941	10	23·903	4·585
23942	8	4·137	5·038
23943	10	9·347	5·888
23944	19	12·945	5·316
23945	10	18·419	5·323
23946	16	18·794	5·395
23947	10	21·511	5·066
23948	10	25·580	5·585
23949	25	1·751	6·858
23950*	63	7·035	6·208
23951	8	7·106	6·747
23952	14	10·746	6·499
33953	11	22·365	6·923
23954	18	3·074	7·188
23955*	55	4·938	7·824
23956	18	7·135	7·499
23957	17	9·352	7·072
23958	10	9·879	7·071
23959	10	17·627	7·378
23960	12	23·844	7·176
23961	11	1·127	8·484
23962	13	3·184	8·265
23963	10	5·390	8·294
23964	9	6·038	8·222
23965	8	6·177	8·327
23966	12	7·493	8·333
23967	16	14·786	8·975
23968	24	18·594	8·646
23969	10	25·472	8·409
23970	15	5·760	9·695
23971	12	7·233	9·726
23972	11	7·392	9·060
23973	11	7·557	9·163
23974	14	13·641	9·707
23975	10	13·767	9·837
23976	10	14·200	9·833
23977	10	15·346	9·830
23978	21	16·704	9·859
23979	22	18·110	9·539
23980	11	24·266	9·809
23981	20	3·723	10·828
23982	12	13·655	10·370
23983	27	15·503	10·366
23984	9	19·028	10·316
23985	13	22·818	10·855
23986	18	25·226	10·322
23987	13	25·234	10·803
23988	29	0·549	11·369
23989*	27	3·607	11·161
23990	21	4·554	11·181
23991	10	4·577	11·214
23992	16	12·417	11·076
23993*	27	21·064	11·097
23994	19	23·646	11·392
23995	25	1·325	12·551
23996	10	7·526	12·454
23997	16	11·459	12·705
23998*	28	13·770	12·255
23999	18	18·411	12·235
24000	20	24·909	12·169
24001	29	1·043	13·443
24002	29	2·126	13·817
24003	16	7·367	13·432
24004	18	15·451	13·366
24005	20	23·396	13·733
24006	9	3·360	14·288
24007	21	6·138	14·795
24008	10	6·165	14·394
24009	12	6·794	14·513
24010	17	12·367	14·697
24011	17	20·100	14·106
24012	50	0·090	15·420
24013	11	6·818	15·576
24014	15	8·904	15·733
24015	10	9·367	15·394
24016	17	13·834	15·094
24017	10	17·318	15·655
24018	14	17·420	15·904
24019	13	20·099	15·711
24020	10	20·807	15·676
24021	9	22·538	15·418
24022	9	25·014	15·055
24023	10	4·267	16·354
24024	11	10·358	16·202
24025*	30	13·776	16·862
24026	19	14·104	16·515
24027	14	25·177	16·283
24028	10	3·749	17·595
24029	20	4·877	17·277
24030	8	5·891	17·447
24031	9	10·206	17·394
24032	12	15·045	17·614
24033	14	15·792	17·975
24034	18	18·144	17·306
24035	9	24·229	17·690
24036	11	24·797	17·824
24037	22	0·205	18·174
24038	10	3·266	18·487
24039	10	19·894	18·350
24040	13	20·394	18·618
24041	20	20·962	18·524
24042	25	0·760	19·182
24043	15	2·199	19·149
24044	10	7·687	19·980
24045	19	8·265	19·820
24046	10	8·896	19·528
24047	9	9·735	19·786
24048	10	17·764	19·576
24049*	50	23·029	19·484
24050	10	25·918	19·543
24051	39	0·258	20·160
24052*	45	0·464	20·724
24053	30	3·592	20·662
24054	15	11·196	20·693
24055*	23	13·914	20·510
24056	20	14·277	20·963
24057*	30	15·360	20·068
24058	10	17·673	20·732
24059	20	19·742	20·943
24060	8	21·864	20·293
24061	20	22·825	20·556
24062*	70	2·015	21·837
24063	8	3·570	21·456
24064*	40	4·164	21·855
24065	25	4·279	21·846
24066	10	5·542	21·769
24067	28	5·983	21·055
24068	10	8·812	21·177
24069	12	13·857	21·184
24070	13	14·605	21·760
24071	10	14·714	21·183
24072*	30	18·703	21·756
24073*	26	20·066	21·534
24074	22	25·102	21·520
24075	11	0·277	22·030
24076	10	11·621	22·573
24077	10	16·558	22·390
24078	14	24·758	22·126
24079	10	25·704	22·726
24080	25	7·740	23·322
24081	12	7·911	23·264
24082	10	8·490	23·691
24083	20	9·657	23·170
24084	20	9·857	23·813
24085	10	15·724	23·793
24086	25	17·992	23·277
24087	18	19·338	23·715
24088	16	21·033	23·387
24089*	44	25·491	23·286
24090	19	25·991	23·214
24091	38	2·922	24·017
24092*	31	6·406	24·159
24093	13	10·447	24·904
24094	10	16·757	24·630
24095	12	16·823	24·584
24096	10	17·812	24·244
24097	21	21·596	24·439
24098*	42	3·124	25·635
24099*	43	5·872	25·923
24100	12	7·024	25·788
24101	10	7·199	25·184
24102	17	9·177	25·054

R. A. 9h 49m

Plate 2223; 1903 Apr. 18.

Provisional Constants.

A	B	C
−·00034	+·00583	+·0848
D	**E**	**F**
−·00547	−·00032	+·0193

Mag. = 16·0 − 1·36 $\sqrt{d}$

No.	d	x	y
24201	12	6·894	0·232
24202	17	15·402	0·674

No.	d	x	y
24203*	20	20·886	0·528
24204	10	17·486	1·274
24205*	35	22·737	1·077
24206	20	23·138	1·474
24207	20	23·258	1·442
24208	10	0·486	2·454
24209	33	1·319	2·037
24210	24	1·724	2·770
24211	20	1·882	2·288
24212	10	6·869	2·199
24213*	21	9·408	2·204
24214	12	15·809	2·537
24215	10	22·163	2·613
24216*	60	25·651	2·438
24217	10	2·524	3·685
24218	10	6·809	3·073
24219	9	7·844	3·755
24220	10	8·969	3·492
24221	20	2·942	4·529
24222	9	6·416	4·904
24223	14	9·788	4·745
24224	11	14·229	4·952
24225*	37	16·600	4·086
24226	11	4·075	5·751
24227	10	4·348	5·222
24228	11	9·555	5·990
24229	19	13·402	5·743
24230	10	17·271	5·295
24231	10	19·894	5·750
24232	17	20·458	5·839
24233	9	21·407	5·484
24234	20	21·897	5·981
24235*	27	22·243	5·767
24236*	26	24·709	5·234
24237	10	6·830	6·630
24238	13	14·725	6·061
24239*	25	24·877	6·776
24240	11	0·722	7·290
24241*	22	5·371	7·961
24242	8	10·935	7·496
24243	20	19·664	7·025
24244	9	21·210	7·377
24245	10	25·082	7·913
24246	10	2·374	8·487
24247	20	3·514	8·080
24248	10	4·223	8·960
24249	10	4·268	8·185
24250	11	6·262	8·565
24251	11	9·330	8·630
24252	17	16·608	8·991
24253*	14	16·910	8·564
24254	10	21·892	8·576
24255	10	23·827	8·889
24256	10	1·197	9·913
24257*	39	3·955	9·046
24258*	25	9·218	9·943
24259	10	18·436	9·520
24260	10	21·468	9·565
24261*	22	24·641	9·763
24262	15	2·169	10·402
24263	13	2·187	10·884
24264*	35	5·419	10·580
24265	17	7·540	10·753
24266*	19	22·833	10·094
24267	20	0·615	11·506
24268	10	6·210	11·999
24269*	27	6·739	11·262
24270	20	8·746	11·160
24271	10	9·069	11·282
24272	15	9·458	11·571
24273*	30	24·269	11·744
24274	23	1·894	12·257
24275	10	3·470	12·078
24276	10	8·288	12·769
24277	10	12·410	12·695
24278	12	15·871	12·358
24279*	30	22·155	12·856
24280	18	25·836	12·346
24281	30	0·414	13·852
24282*	21	9·095	13·358
24283	9	9·790	13·700
24284	13	19·910	13·054
24285	12	21·358	13·925
24286	10	24·978	13·729
24287	10	3·924	14·269
24288*	36	12·071	14·877
24289	19	15·378	14·900
24290	8	16·543	14·421
24291	16	8·984	15·969
24292	10	10·374	15·192
24293	10	19·897	15·271
24294	10	21·985	15·299
24295	10	25·627	15·939
24296	14	2·251	16·364
24297	13	7·529	16·009
24298	10	8·961	16·058
24299	19	14·013	16·366
24300	12	15·160	16·468
24301	20	18·538	16·955
24302	10	23·973	16·254
24303	10	1·904	17·914
24304	11	17·479	17·140
24305	10	7·923	18·426
24306	22	10·452	18·372
24307	9	10·471	18·403
24308*	24	12·955	18·666
24309	20	21·130	18·439
24310*	87	0·173	19·611
24311	10	3·064	19·609
24312	19	3·754	19·198
24313	12	9·166	19·277
24314	10	9·823	19·111
24315	10	10·763	19·855
24316	10	12·660	19·864
24317	10	14·405	19·920
24318	8	15·166	19·646
24319	10	17·292	19·790
24320	10	20·275	19·772
24321	7	22·399	19·595
24322	10	5·362	20·203
24323	10	7·237	20·327
24324	7	14·447	20·910
24325	20	15·023	20·614
24326	17	15·266	20·281
24327*	24	15·478	20·890
24328	9	20·011	20·764
24329	10	20·104	20·403
24330	10	20·686	20·244
24331	10	22·259	20·892
24332	27	2·290	21·602
24333	18	12·233	21·426
24334	10	12·258	21·730
24335	13	12·631	21·711
24336	18	13·820	21·838
24337	23	22·978	21·924
24338	10	23·999	21·227
24339	13	25·842	21·280
24340	13	5·050	22·527
24341	18	6·113	22·255
24342	24	6·724	22·797
24343	9	8·166	22·147
24344	13	11·917	22·728
24345	10	15·259	22·555
24346	10	17·787	22·195
24347	8	18·559	22·935
24348	20	24·070	22·222
24349*	58	2·719	23·358
24350	23	3·217	23·276
24351*	35	5·077	23·870
24352	10	8·009	23·689
24353	10	10·505	23·870
24354	8	11·127	23·942
24355	8	11·968	23·466
24356*	24	13·977	23·374
24357	10	15·030	23·704
24358	10	20·094	23·234
24359	20	22·019	23·124
24360	20	23·545	23·606
24361	9	24·067	23·184
24362	14	25·622	23·898
24363	23	5·125	24·225
24364	25	6·127	24·886
24365	15	7·220	24·575
24366	13	9·309	24·607
24367	10	13·979	24·707
24368	10	16·884	24·802
24369	11	17·226	24·814
24370	10	24·007	24·309
24371*	43	25·821	24·341
24372*	43	7·127	25·124
24373	13	8·109	25·194
24374	10	9·795	25·083
24375	12	12·844	25·216
24376	10	21·645	25·110

R. A. 9h 58m

Plate 2349 ; 1904 Jan. 15.

Provisional Constants.

A	B	C
−·00046	−·00309	−·3962
D	**E**	**F**
+·00325	−·00055	−·0627

Mag. $= 17·0 - 1·36\sqrt{d}$

No.	d	x	y
24401	17	4·380	0·991
24402	11	5·504	0·711
24403	19	7·935	0·173
24404*	31	21·564	0·414
24405	24	6·378	1·758
24406*	51	21·449	1·056
24407*	80	1·800	2·486
24408	30	5·030	2·945
24409	20	5·552	2·900
24410	10	10·122	2·662
24411	16	15·652	2·507
24412	12	4·245	3·066
24413	16	13·280	3·205
24414*	45	16·060	3·809
24415	10	16·940	3·416
24416	13	19·350	3·080
24417	14	19·435	3·381
24418	10	20·536	3·157
24419	31	2·958	4·452
24420	14	5·269	4·601
24421	13	8·786	4·514
24422	14	22·018	4·972
24423	10	25·103	4·127
24424*	42	0·894	5·293
24425	10	10·540	5·435
24426	22	11·555	5·775
24427	11	12·900	5·130
24428	13	18·665	5·462
24429*	36	19·443	5·579
24430	13	20·124	5·210
24431*	30	23·160	5·465
24432	19	25·006	5·555
24433*	40	1·078	6·831
24434	21	7·529	6·860
24435	10	13·989	6·894
24436	13	14·081	6·370
24437	9	20·027	6·884
24438	20	24·439	6·347
24439	13	25·846	6·814
24440	13	4·373	7·292
24441*	19	15·674	7·607
24442	20	19·586	7·949
24443	23	10·109	8·844
24444	14	17·958	8·852
24445	21	18·220	8·061
24446	9	21·524	8·017
24447*	26	24·827	8·697
24448	10	25·355	8·890
24449*	38	0·877	9·821
24450*	25	5·101	9·200
24451	13	6·231	10·347
24452	14	8·310	10·864
24453	14	9·535	10·176
24454	11	10·501	10·933
24455	20	10·960	10·799
24456	11	13·946	10·031
24457	14	15·858	10·494
24458	21	18·725	10·718
24459	10	19·844	10·748
24460*	50	0·525	11·805
24461	23	3·852	11·899
24462	13	10·197	11·645
24463	20	15·300	11·386
24464	10	21·075	11·453
24465	26	2·105	12·389
24466	18	11·441	12·240
24467*	20	12·260	12·364
24468	13	14·400	12·160
24469	16	5·000	13·790
24470*	50	6·471	13·762
24471	14	11·600	13·564
24472	13	14·837	13·487
24473	14	10·170	14·122
24474	13	14·761	14·601
24475	10	24·014	14·698
24476*	41	24·887	14·110
24477	18	1·930	15·984
24478	14	5·875	15·917
24479	10	5·902	15·974
24480	14	9·529	15·490
24481*	33	18·996	15·731
24482	12	20·262	15·640
24483*	29	6·035	16·736
24484	10	6·538	16·089
24485	19	16·262	16·864
24486	10	17·537	16·416
24487	22	17·725	16·693
24488	10	3·886	17·252
24489*	24	10·064	17·755
24490	23	15·711	17·722
24491	23	16·420	17·905
24492	19	22·244	17·365
24493	12	24·824	17·491
24494	21	3·852	18·793
24495	15	6·139	18·990
24496	24	11·904	18·124
24497	9	17·454	18·902
24498*	30	24·843	18·277
24499	22	5·590	19·069
24500	10	6·417	19·04
24501	19	9·089	19·88
24502*	32	11·040	19·45
24503*	50	17·298	19·86
24504	18	10·869	20·37
24505	12	11·230	20·86
24506	12	14·199	20·63
24507	16	2·208	21·32
24508	13	12·284	21·32
24509*	41	18·685	21·62
24510	35	0·450	22·28
24511	13	12·759	22·56
24512	15	14·629	22·41
24513*	33	16·633	22·57
24514	15	24·395	22·36
24515	21	2·017	23·94
24516	20	4·200	23·48
24517	10	12·016	23·65
24518	18	15·690	23·91
24519	17	21·247	23·17
24520	36	25·733	23·12
24521*	58	2·217	24·38
24522	14	6·608	24·30
24523*	38	12·897	24·59
24524	21	13·200	24·85
24525	18	15·124	24·69
24526	10	15·822	24·39
24527	15	19·535	24·67
24528*	47	5·744	25·32
24529*	48	8·146	25·12
24530	12	14·900	25·47
24531	13	15·922	25·83
24532	17	18·544	25·07

R. A. 10h 7m

Plate 2274 ; 1903 May 21

Provisional Constants.

A	B	C
−·00063	+·00015	+·314
D	**E**	**F**
+·00004	−·00051	−·015

Mag. $= 16·0 - 1·36\sqrt{d}$

No.	d	x	y
24601	11	6·236	0·87
24602*	33	11·081	0·60
24603	11	11·725	0·07
24604	22	13·356	0·16
24605	10	13·896	0·87
24606	12	17·399	0·74
24607	13	20·774	0·48
24608	13	20·776	0·50
24609	11	24·582	0·10
24610*	26	25·587	0·83
24611	9	6·985	1·46
24612	10	12·810	1·74
24613	10	13·811	1·36
24614	9	13·947	1·55
24615	10	14·301	1·97
24616	13	14·587	1·03
24617	10	14·891	1·36
24618	15	17·466	1·28

No.	d	x	y
24619	19	22·426	1·805
24620*	32	24·840	1·673
24621	10	13·455	2·074
24622	13	18·191	2·260
24623	10	19·597	2·359
24624	10	22·856	2·441
24625	11	23·560	2·064
24626	12	3·650	3·533
24627	22	3·714	3·177
24628	11	4·820	3·198
24629	13	7·689	3·101
24630	21	9·339	3·717
24631	10	14·911	3·592
24632	13	14·956	3·188
24633	10	17·680	3·562
24634	18	19·166	3·800
24635	10	19·906	3·764
24636	13	23·555	3·547
24637	22	24·369	3·229
24638	10	25·156	3·489
24639	11	2·260	4·631
24640	13	2·512	4·074
24641	13	5·225	4·671
24642	12	7·041	4·225
24643	10	10·311	4·070
24644	12	11·310	4·918
24645*	23	11·514	4·311
24646	10	15·474	4·701
24647	10	17·655	4·783
24648	22	19·304	4·089
24649	10	24·844	4·637
24650*	22	0·598	5·461
24651	13	2·446	5·505
24652	19	5·271	5·501
24653	10	5·619	5·680
24654	12	6·062	5·750
24655	10	10·921	5·157
24656	11	13·110	5·875
24657	10	18·724	5·733
24658	13	18·820	5·089
24659	13	18·959	5·804
24660	9	22·295	5·720
24661	10	22·468	5·332
24662	13	23·026	5·120
24663	14	1·899	6·312
24664	12	3·316	6·742
24665	10	4·060	6·196
24666	10	8·698	6·912
24667	13	14·260	6·950
24668	18	15·920	6·661
24669	11	17·514	6·969
24670	10	18·182	6·686
24671	13	18·964	6·199
24672	10	22·693	6·933
24673	13	22·926	6·050
24674	10	25·831	6·654
24675	11	12·238	7·440
24676	10	12·541	7·504
24677	13	14·161	7·941
24678	10	20·755	7·569
24679	10	22·663	7·599
24680	11	23·867	7·598
24681	10	25·025	7·519
24682	11	0·991	8·466
24683*	25	2·341	8·651
24684	11	2·875	8·833
24685	14	3·605	8·747
24686	20	9·010	8·685
24687	15	10·180	8·854
24688	13	10·718	8·268
24689*	33	10·807	8·687
24690	11	4·059	9·054
24691	10	5·907	9·616
24692	13	7·950	9·816

No.	d	x	y
24693	10	11·426	9·484
24694	13	12·900	9·245
24695	13	13·308	9·842
24696	10	16·750	9·149
24697*	27	3·650	10·228
24698	11	4·537	10·929
24699	13	20·727	10·554
24700	12	24·424	10·175
24701	10	25·603	10·697
24702	10	3·564	11·242
24703*	21	13·313	11·271
24704	11	21·305	11·886
24705	10	23·017	11·085
24706	13	6·511	12·230
24707	11	9·020	12·695
24708	10	13·309	12·001
24709	12	16·515	12·512
24710	13	18·031	12·519
24711	13	19·044	12·956
24712	13	22·796	12·290
24713	10	4·629	13·522
24714	13	8·007	13·360
24715	13	9·124	13·705
24716	23	11·104	13·774
24717	20	17·500	13·524
24718	22	18·330	13·869
24719	10	20·542	13·471
24720	10	20·869	13·249
24721	10	25·773	13·658
24722	12	1·666	14·671
24723*	33	2·531	14·061
24724	14	6·000	14·055
24725	10	7·569	14·945
24726	21	7·835	14·140
24727	10	9·280	14·667
24728	10	20·486	14·259
24729	12	20·790	14·833
24730	15	20·847	14·360
24731	10	1·782	15·230
24732	13	4·517	15·651
24733	13	7·847	15·861
24734	10	12·728	15·787
24735	11	12·921	15·766
24736	10	13·793	15·844
24737	11	14·742	15·567
24738	14	15·170	15·080
24739	12	17·723	15·326
24740	10	22·837	15·106
24741*	24	10·053	16·455
24742	16	11·179	16·972
24743	13	17·049	16·075
24744	13	21·125	16·208
24745	12	25·979	16·880
24746	12	2·544	17·443
24747	10	3·000	17·393
24748	10	6·335	17·049
24749	17	7·929	17·718
24750	10	10·345	17·595
24751	22	15·065	17·582
24752	13	17·842	17·351
24753	10	18·431	17·511
24754	10	19·625	17·065
24755	9	19·720	17·038
24756	11	25·562	17·804
24757	13	25·719	17·432
24758*	34	25·781	17·681
24759*	23	2·580	18·230
24760	24	5·024	18·404
24761	10	7·485	18·306
24762	13	9·621	18·280
24763*	25	18·832	18·844
24764	13	19·316	18·886
24765	10	24·952	18·800
24766	10	25·089	18·668

No.	d	x	y
24767	24	5·273	19·317
24768*	23	9·533	19·609
24769	13	10·868	19·778
24770	18	17·794	19·100
24771	16	19·025	19·758
24772	10	20·029	19·657
24773*	23	21·021	19·364
24774	12	3·539	20·472
24775	11	4·250	20·784
24776	12	7·635	20·277
24777	10	11·596	20·520
24778	11	11·632	20·649
24779	11	18·604	20·541
24780	10	6·312	21·912
24781	10	7·849	21·497
24782	9	10·299	21·277
24783	10	11·972	21·664
24784	24	13·098	21·853
24785	10	15·451	21·782
24786	13	16·847	21·872
24787*	23	17·213	21·097
24788	13	22·374	21·233
24789	10	23·480	21·779
24790	14	25·095	21·334
24791	13	2·228	22·324
24792	12	8·656	22·400
24793	10	10·916	22·905
24794	10	12·514	22·145
24795*	35	12·630	22·864
24796*	29	16·339	22·594
24797	13	25·910	22·228
24798*	23	3·587	23·060
24799	13	8·497	23·701
24800	13	12·670	23·640
24801	10	14·309	23·709
24802*	40	14·592	23·448
24803	11	15·620	23·584
24804	10	15·651	23·884
24805	10	17·884	23·255
24806	10	8·824	24·100
24807	14	10·071	24·227
24808	23	12·466	24·371
24809	11	13·104	24·877
24810	11	15·184	24·497
24811*	44	16·963	24·036
24812	22	18·467	24·344
24813	9	18·706	24·141
24814	10	19·047	24·766
24815*	49	19·327	24·566
24816	11	21·835	24·974
24817	10	22·107	24·009
24818	21	24·320	24·941
24819*	41	5·077	25·944
24820	11	5·805	25·830
24821	12	9·319	25·941
24822	15	11·020	25·611
24823	22	11·179	25·051
24824	10	12·094	25·480
24825	18	12·436	25·655
24826	10	13·472	25·750
24827	10	13·880	25·780
24828*	33	14·983	25·066
24829	13	15·350	25·541
24830*	24	16·757	25·686
24831	10	20·687	25·219
24832	13	21·476	25·674
24833	11	24·477	25·164

R. A. 10h 16m

Plate 2224 ; 1903 April 18.

Provisional Constants.

A	B	C
−·00065	+·00111	−·0967
D	**E**	**F**
−·00146	−·00042	−·0006

Mag. = 16·4 − 1·36 $\sqrt{d}$

No.	d	x	y
24901*	38	1·792	0·839
24902*	51	2·466	0·517
24903	13	5·542	0·555
24904	12	8·536	0·612
24905	13	15·729	0·320
24906	10	19·900	0·778
24907*	45	1·067	1·690
24908	19	2·992	1·837
24909	12	4·533	1·175
24910*	21	7·537	1·770
24911*	27	10·061	1·882
24912	11	14·270	1·805
24913	10	21·071	1·448
24914	11	24·724	1·099
24915	15	25·245	1·729
24916	10	4·257	2·924
24917*	47	18·189	2·448
24918	32	0·626	3·257
24919	11	4·864	3·522
24920	12	7·715	3·486
24921	11	8·714	3·203
24922	18	8·940	3·060
24923*	22	10·620	3·204
24924	20	10·980	3·360
24925	13	15·433	3·796
24926	12	22·185	3·360
24927	21	23·461	3·911
24928	22	25·464	3·694
24929*	52	4·745	4·857
24930	12	13·440	4·751
24931	12	15·057	4·595
24932	11	22·330	4·870
24933	13	23·567	4·375
24934	13	24·914	4·638
24935	12	3·400	5·288
24936	13	6·585	5·100
24937	10	7·111	5·356
24938*	25	8·716	5·349
24939	11	10·442	5·607
24940	21	13·989	5·159
24941*	25	17·615	5·239
24942	12	18·154	5·774
24943	10	20·165	5·291
24944	22	20·216	5·650
24945	12	22·066	5·922
24946	10	22·175	5·982
24947	12	24·106	5·213
24948	11	3·198	6·079
24949	13	3·849	6·871
24950	22	6·502	6·599
24951	10	8·414	6·789
24952	13	11·425	6·177
24953	13	15·997	6·575
24954	11	20·149	6·324
24955	13	21·930	6·159
24956	13	23·880	6·592

No.	d	x	y
24957	10	0·219	7·632
24958	13	2·509	7·421
24959	11	11·137	7·974
24960	10	17·374	7·458
24961	13	23·347	7·394
24962	11	5·431	8·006
24963	13	9·115	8·869
24964	11	11·295	8·406
24965	10	15·763	8·790
24966	13	19·493	8·144
24967	13	22·247	8·273
24968	22	24·935	8·537
24969	22	4·126	9·349
24970	13	4·133	9·955
24971	13	6·823	9·718
24972	13	6·949	9·044
24973*	31	11·485	9·001
24974*	32	19·058	9·485
24975	20	19·224	9·380
24976	22	21·320	9·329
24977	10	23·991	9·649
24978	11	25·310	9·912
24979	11	0·830	10·199
24980	20	4·234	10·326
24981	12	10·208	10·762
24982	12	17·094	10·670
24983	18	20·363	10·344
24984	12	22·705	10·064
24985	13	8·330	11·904
24986	13	14·070	11·012
24987*	42	15·961	11·014
24988	13	16·200	11·517
24989*	42	21·526	11·576
24990*	25	3·386	12·170
24991	13	3·529	12·094
24992	22	7·970	12·470
24993*	27	11·577	12·289
24994	13	15·468	12·307
24995	10	17·947	12·744
24996	12	19·996	12·428
24997	13	24·644	12·856
24998	12	2·255	13·651
24999	13	3·606	13·977
25000	15	5·640	13·837
25001	18	8·742	13·055
25002	13	13·355	13·095
25003	11	14·130	13·949
25004	12	16·074	13·552
25005	10	23·025	13·096
25006	15	3·050	14·702
25007	13	3·232	14·906
25008	13	3·777	14·997
25009*	32	4·868	14·434
25010	15	5·754	14·538
25011	13	6·149	14·375
25012	12	7·946	14·248
25013*	44	10·763	14·968
25014	10	15·415	14·999
25015*	30	23·212	14·026
25016	11	4·899	15·938
25017	9	6·787	15·577
25018	17	12·201	15·260
25019	13	12·579	15·775
25020	13	14·568	15·944
25021	13	18·009	15·202
25022	13	21·445	15·833
25023	12	25·715	15·454
25024	13	3·021	16·670
25025	22	14·720	16·882
25026	12	15·400	16·216
25027	11	21·854	16·135
25028	19	25·800	16·358
25029	10	2·130	17·800
25030	12	2·282	17·427

No.	d	x	y
25031*	32	2·350	17·671
25032	13	2·637	17·760
25033	13	15·108	17·350
25034	13	16·220	17·308
25035	23	16·235	17·753
25036*	45	16·347	17·084
25037	10	17·443	17·067
25038	19	18·980	17·490
25039	12	19·537	17·788
25040	12	24·768	17·775
25041	12	3·305	18·624
25042	12	16·364	18·544
25043	12	21·525	18·424
25044	22	23·338	18·786
25045	12	5·279	19·326
25046	11	11·858	19·349
25047	11	12·320	19·269
25048	10	14·174	19·110
25049	22	15·652	19·472
25050	11	16·265	19·927
25051	10	17·921	19·747
25052	13	18·562	19·590
25053	10	4·492	20·565
25054	12	9·150	20·406
25055	21	13·449	20·510
25056	13	15·085	20·982
25057	9	22·116	20·962
25058	10	22·295	20·463
25059	25	23·079	20·649
25060*	27	23·196	20·894
25061	18	1·737	21·337
25062	10	2·943	21·207
25063	12	4·989	21·479
25064	22	6·899	21·419
25065	10	8·447	21·229
25066	12	8·590	21·090
25067	10	14·720	21·119
25068	12	2·574	22·218
25069	13	7·006	22·258
25070	10	8·066	22·044
25071	11	8·074	22·572
25072	13	9·294	22·198
25073	15	12·335	22·035
25074	11	18·984	22·708
25075	13	19·606	22·808
25076	10	21·540	22·504
25077	9	21·499	22·489
25078	13	23·586	22·707
25079	12	24·538	22·378
25080	10	4·448	23·328
25081	12	6·627	23·105
25082	13	8·452	23·871
25083	9	9·935	23·579
25084	11	21·563	23·988
25085	22	24·896	23·260
25086	22	1·042	24·966
25087	12	7·431	24·192
25088	11	7·910	24·828
25089*	32	10·293	24·149
25090	13	11·259	24·950
25091	10	12·542	24·486
25092	13	16·051	24·921
25093	11	17·088	24·763
25094	10	19·760	24·400
25095	12	20·890	24·861
25096	16	21·045	24·354
25097	11	21·709	24·337
25098	20	3·951	25·211
25099	33	4·270	25·552
25100	20	4·918	25·725
25101	15	5·654	25·563
25102	13	12·884	25·885
25103	33	14·500	25·550
25104	12	15·579	25·290
25105	22	24·304	25·841
25106	23	24·637	25·782

R. A. 10h 25m

Plate 2225 ; 1903 Apr. 18.

Provisional Constants.

A	B	C
−·00045	−·00259	−·4020
D	**E**	**F**
+·00232	−·00050	−·0617

Mag. = 16·3 − 1·36 $\sqrt{d}$

No.	d	x	y
25201	20	3·263	0·065
25202*	28	13·812	0·475
25203	22	23·310	0·404
25204	10	24·850	0·118
25205	20	1·573	1·690
25206	22	3·940	1·540
25207	10	5·650	1·578
25208	11	5·850	1·897
25209	22	7·634	1·385
25210*	32	10·340	1·249
25211	22	10·451	1·021
25212	10	12·616	1·026
25213	11	14·494	1·198
25214	19	15·499	1·892
25215	23	24·764	1·434
25216	10	24·997	1·229
25217	13	4·158	2·909
25218	11	4·600	2·920
25219	20	19·439	2·568
25220	12	23·133	2·368
25221	12	25·256	2·102
25222	22	25·899	2·870
25223	22	1·825	3·652
25224*	55	3·150	3·199
25225	22	3·228	3·146
25226	14	3·740	3·675
25227	11	4·755	3·512
25228	13	7·552	3·940
25229	13	7·567	3·957
25230*	46	8·419	3·835
25231	12	8·645	3·071
25232*	32	9·427	3·288
25233	13	11·198	3·007
25234*	36	16·199	3·940
25235*	19	17·736	3·824
25236	13	21·898	3·779
25237	10	23·305	3·935
25238	12	1·291	4·606
25239*	21	9·697	4·451
25240	22	12·504	4·946
25241	12	18·664	4·840
25242	10	21·586	4·977
25243	12	4·870	5·884
25244	11	9·290	5·705
25245	10	10·672	5·657
25246	13	11·513	5·661
25247*	22	13·489	5·880
25248	15	16·824	5·942
25249*	28	17·249	5·216
25250	11	17·542	5·658
25251	13	17·880	5·501
25252	18	19·755	5·006
25253	13	23·850	5·730
25254	12	0·287	6·575
25255	13	5·092	6·461
25256	13	7·683	6·851
25257	11	15·582	6·638
25258	13	17·875	6·122
25259	13	20·006	6·283
25260	13	21·396	6·697
25261	10	22·761	6·222
25262	22	24·150	6·193
25263	11	7·039	7·137
25264	13	7·185	7·000
25265	9	7·611	7·480
25266	13	9·640	7·342
25267	12	9·930	7·506
25268	15	10·513	7·128
25269	11	11·405	7·727
25270	10	11·623	7·438
25271	22	13·973	7·991
25272	13	20·102	7·006
25273	10	21·915	7·441
25274	22	1·379	8·504
25275	13	5·205	8·408
25276*	22	7·835	8·412
25277	11	8·818	8·272
25278	24	10·855	8·479
25279	11	11·444	8·924
25280	10	13·484	8·383
25281	13	22·948	8·761
25282	10	0·450	9·630
25283	13	1·774	9·871
25284	30	3·630	9·205
25285	11	4·220	9·061
25286	15	5·210	9·880
25287	10	5·977	9·511
25288	13	15·070	9·206
25289	10	17·355	9·573
25290	13	20·434	9·682
25291	13	21·582	9·789
25292	20	21·595	9·885
25293	13	22·420	9·088
25294	22	24·694	9·644
25295	20	25·226	9·636
25296	13	4·182	10·620
25297	12	6·060	10·382
25298	13	8·455	10·599
25299	12	10·239	10·474
25300*	31	13·408	10·884
25301	10	13·804	10·062
25302	13	14·994	10·950
25303	15	15·744	10·678
25304	13	16·715	10·042
25305	19	16·879	10·007
25306	11	18·070	10·436
25307	12	25·295	10·069
25308	10	8·709	11·745
25309	13	11·394	11·347
25310	10	17·771	11·480
25311	13	1·157	12·827
25312	12	2·944	12·490
25313	11	5·535	12·047
25314*	28	6·484	12·399
25315	20	10·780	12·116
25316	10	24·184	12·957
25317	17	25·919	12·785
25318	12	2·795	13·462
25319	12	3·567	13·726
25320	11	8·281	13·047
25321	12	9·043	13·714
25322	13	13·430	13·224
25323	10	17·140	13·924
25324*	18	18·360	13·750
25325	12	19·121	13·614
25326	12	21·405	13·020
25327	12	23·785	13·833
25328	18	25·106	13·320
25329	20	25·700	13·249
25330	32	25·984	13·674
25331	27	3·144	14·194
25332	13	3·411	14·961
25333	9	12·286	14·926
25334	10	18·988	14·134
25335	9	19·285	14·181
25336	10	20·791	14·564
25337	11	22·671	14·868
25338	13	23·264	14·158
25339	21	24·346	14·234
25340	12	2·274	15·403
25341	21	3·168	15·500
25342	12	5·055	15·455
25343	10	7·580	15·864
25344	10	10·856	15·521
25345	11	14·550	15·479
25346	12	16·070	15·774
25347	13	16·203	15·986
25348	22	17·842	15·419
25349	11	23·258	15·350
25350	22	24·551	15·449
25351	15	25·016	15·955
25352	15	2·373	16·306
25353	16	5·774	16·364
25354	12	6·661	16·467
25355	10	9·393	16·241
25356	13	9·829	16·512
25357*	39	16·020	16·354
25358*	37	19·033	16·260
25359	10	19·063	16·286
25360	12	1·364	17·742
25361*	28	3·780	17·754
25362	13	3·950	17·828
25363	19	4·060	17·313
25364	15	11·225	17·085
25365*	24	11·235	17·290
25366	17	18·370	17·370
25367	20	19·517	17·638
25368	21	21·301	17·597
25369	12	21·880	17·736
25370	15	25·511	17·905
25371	12	25·595	17·726
25372	12	5·406	18·464
25373	13	6·592	18·644
25374	10	6·815	18·658
25375	21	7·425	18·164
25376	11	13·937	18·434
25377	13	20·099	18·868
25378	10	22·590	18·601
25379	12	6·242	19·522
25380	12	9·766	19·737
25381	12	11·290	19·666
25382*	28	11·535	19·750
25383*	39	15·100	19·632
25384*	30	15·414	19·666
25385*	24	17·370	19·179
25386	10	21·204	19·412
25387	10	22·065	19·501
25388	13	22·140	19·548
25389	12	23·231	19·534
25390	10	25·782	19·195
25391	10	7·254	20·448
25392	13	13·894	20·613
25393	11	14·359	20·414
25394	22	17·598	20·729
25395*	22	19·804	20·860
25396	13	21·994	20·158
25397	11	22·632	20·550
25398	13	24·386	20·68
25399	11	9·005	21·65
25400	11	9·678	21·10
25401	10	10·984	21·36
25402	10	12·070	21·25
25403	10	15·750	21·81
25404	21	15·910	21·29
25405	10	16·711	21·03
25406	10	17·140	21·82
25407	13	17·701	21·14
25408	22	25·960	21·26
25409	12	1·214	22·35
25410	12	8·750	22·18
25411	11	9·289	22·98
25412	18	14·396	22·38
25413	13	15·920	22·31
25414	10	16·978	22·46
25415	11	20·140	22·23
25416	24	20·871	22·21
25417	21	1·580	23·22
25418	10	6·489	23·43
25419	10	10·456	23·19
25420	10	17·464	23·92
25421	12	17·889	23·21
25422	13	22·601	23·64
25423	10	6·925	24·5
25424	10	11·531	24·4
25425*	25	11·533	24·2
25426*	40	17·277	24·2
25427	17	17·692	24·7
25428	12	22·162	24·5
25429	11	22·290	24·3
25430	31	1·032	25·8
25431	32	1·362	25·7
25432	13	4·255	25·7
25433	11	5·295	25·0
25434	12	6·775	25·4
25435	23	12·670	25·8
25436	13	14·814	25·5
25437	13	17·806	25·0
25438	22	18·154	25·3
25439*	28	18·825	25·8
25440	10	19·650	25·0
25441	13	20·137	25·1
25442	11	21·379	25·3
25443	22	24·559	25·3

R. A. 10h 34m

Plate 2262 ; 1903 May 1[illegible]

Provisional Constants.

A	B	C
−·00061	+·00070	−·07
D	**E**	**F**
−·00075	−·00038	−·01

Mag. = 15·9 − 1·36 $\sqrt{d}$

No.	d	x	y
25501	23	0·249	0·4
25502	11	5·421	0·5
25503	10	9·960	0·0
25504	10	10·029	0·4
25505	10	12·000	0·2

25506	10	18·464	0·430
25507*	14	21·105	0·051
25508	25	1·733	1·413
25509	13	5·528	1·787
25510	10	7·463	1·549
25511	10	8·459	1·639
25512*	23	9·622	1·220
25513	10	18·549	1·305
25514	10	21·266	1·734
25515	17	2·235	2·067
25516	19	2·896	2·821
25517	15	12·560	2·641
25518*	23	16·542	2·945
25519	10	17·032	2·804
25520	13	17·508	2·135
25521*	23	20·555	2·626
25522	15	3·138	3·601
25523	10	9·085	3·141
25524	10	10·986	3·700
25525	11	17·089	3·018
25526	10	19·044	3·556
25527	11	3·933	4·155
25528	13	4·023	4·633
25529	17	10·072	4·793
25530	10	10·452	4·076
25531	11	13·732	4·655
25532*	25	18·924	4·823
25533	10	19·498	4·951
25534	10	22·031	4·388
25535	13	0·915	5·729
25536	10	3·767	5·562
25537	10	5·424	5·927
25538*	20	13·443	5·889
25539	13	13·953	5·255
25540*	21	17·010	5·248
25541	12	17·445	5·728
25542	10	19·094	5·328
25543	10	21·170	5·629
25544	12	1·225	6·183
25545	18	8·744	6·563
25546	13	19·555	6·761
25547	12	25·485	6·034
25548	13	8·139	7·717
25549	13	10·573	7·407
25550	10	10·700	7·850
25551	10	17·468	7·840
25552	15	18·885	7·565
25553	12	0·083	8·779
25554	13	4·045	8·671
25555	20	4·222	8·637
25556	15	4·224	8·679
25557	10	4·425	8·450
25558	12	6·305	8·495
25559	10	10·791	8·069
25560	12	19·080	8·235
25561	10	0·562	9·092
25562	12	1·851	9·621
25563	12	2·380	9·601
25564	10	6·785	9·562
25565*	40	16·461	9·682
25566	20	17·631	9·336
25567	13	18·620	9·457
25568	13	20·205	9·925
25569	13	20·756	9·351
25570	10	2·462	10·033
25571*	13	5·817	10·250
25572*	13	7·416	10·271
25573	11	19·459	10·505
25574	12	16·318	11·579
25575	11	20·504	11·337
25576	12	23·171	11·714
25577	13	3·144	12·734
25578*	33	3·494	12·034
25579	13	7·630	12·250

25580	10	8·281	12·879
25581	10	10·517	12·746
25582	13	13·679	12·793
25583	11	14·450	12·336
25584	12	2·347	13·287
25585	13	2·939	13·201
25586*	33	3·232	13·619
25587	10	6·471	13·595
25588	13	8·211	13·919
25589	12	17·320	13·990
25590	13	17·759	13·529
25591	11	0·523	14·166
25592	13	1·606	14·215
25593*	23	3·677	14·996
25594	12	4·735	14·345
25595	12	6·244	14·554
25596*	22	6·830	14·189
25597	9	8·323	14·824
25598	10	8·950	14·718
25599	13	11·360	14·865
25600	10	12·620	14·989
25601	11	20·405	14·483
25602	15	1·842	15·426
25603	12	2·317	15·922
25604*	22	6·016	15·041
25605	12	17·686	15·252
25606	10	20·762	15·079
25607*	17	25·184	15·619
25608*	22	25·400	15·789
25609	11	11·971	16·714
25610	10	23·029	16·422
25611	10	23·170	16·831
25612	12	2·855	17·862
25613	11	2·938	17·681
25614	10	4·775	17·198
25615	22	10·396	17·795
25616*	22	14·808	17·035
25617	10	14·870	17·671
25618	12	14·929	17·697
25619	13	4·836	18·439
25620	10	10·185	18·286
25621	11	10·924	18·936
25622*	22	13·070	18·169
25623	12	13·595	18·019
25624	15	13·743	18·660
25625	11	21·255	18·654
25626	12	3·511	19·285
25627	10	10·720	19·855
25628	10	11·496	19·295
25629	12	13·186	19·306
25630	10	15·247	19·980
25631	13	20·282	19·621
25632	11	20·523	19·703
25633	10	21·839	19·289
25634	10	23·150	19·679
25635	10	25·707	19·609
25636	12	1·795	20·665
25637*	23	5·975	20·394
25638	15	12·657	20·462
25639	10	24·887	20·991
25640	21	3·382	21·207
25641	11	4·452	21·939
25642	20	10·175	21·959
25643	10	17·020	21·685
25644	10	4·874	22·217
25645	19	6·644	22·441
25646	10	11·333	22·626
25647	10	18·115	22·238
25648	10	20·882	22·780
25649	20	25·225	22·244
25650	13	3·804	23·181
25651	17	4·500	23·481
25652	13	11·623	23·219
25653	11	17·800	23·161

25654	10	9·620	24·645
25655	10	10·545	24·555
25656	10	18·061	24·688
25657	22	2·076	25·317
25658	11	6·816	25·714
25659	21	7·300	25·850
25660	10	12·775	25·480
25661	12	13·060	25·789
25662	10	18·263	25·828
25663	13	18·717	25·881

R. A. 10ʰ 43ᵐ

Plate 2226 ; 1903 Apr. 18.

Provisional Constants.

A	B	C
−·00047	−·00304	−·0743
D	**E**	**F**
+·00290	−·00055	+·0053

Mag. = 17·5 − 1·36 $\sqrt{d}$

No.	d	x	y
25701	14	10·641	0·999
25702	14	13·722	0·104
25703*	60	14·064	0·390
25704	28	17·710	0·690
25705	17	19·485	0·936
25706	24	25·249	0·174
25707*	48	3·488	1·549
25708	14	7·631	1·404
25709	16	10·295	1·519
25710	15	11·312	1·030
25711	10	13·448	1·207
25712	11	14·817	1·083
25713*	38	15·740	1·590
25714*	35	23·850	1·845
25715	17	23·962	1·382
25716	20	4·436	2·345
25717	18	10·808	2·640
25718	9	12·764	2·177
25719	14	16·411	2·354
25720	12	17·161	2·571
25721	16	21·963	2·274
25722	19	24·955	2·082
25723	17	3·215	3·881
25724	13	6·239	3·025
25725	14	11·847	3·674
25726	14	12·697	3·034
25727	18	13·744	3·146
25728	10	20·852	3·826
25729	26	5·344	4·724
25730	29	6·493	4·327
25731	12	12·091	4·087
25732	11	14·304	4·290
25733	13	15·776	4·006
25734	10	18·575	4·093
25735	12	19·451	4·282
25736	11	20·764	4·063
25737	16	3·819	5·521
25738	17	8·620	5·280
25739	22	13·190	5·015
25740	12	16·090	5·791
25741	22	17·931	5·299

25742*	38	19·637	5·093
25743	10	19·817	5·460
25744	17	24·110	5·541
25745	19	2·188	6·056
25746	10	2·837	6·388
25747	24	3·303	6·324
25748	14	4·949	6·276
25749	20	7·214	6·455
25750	34	13·334	6·429
25751	31	13·533	6·020
25752	8	16·361	6·299
25753*	37	17·979	6·700
25754	9	20·686	6·100
25755	22	5·569	7·499
25756*	43	9·896	7·150
25757	19	11·125	7·590
25758	10	12·384	7·880
25759*	37	13·321	7·530
25760*	40	15·510	7·042
25761	14	16·993	7·014
25762	8	17·040	7·880
25763	8	23·827	7·393
25764	9	24·776	7·254
25765	13	25·717	7·580
25766	17	9·194	8·847
25767	10	9·678	8·174
25768	12	13·134	8·749
25769	29	24·203	8·661
25770	15	6·644	9·339
25771	14	13·289	9·127
25772	15	14·250	9·118
25773	12	23·404	9·251
25774	13	3·794	10·766
25775	11	6·534	10·542
25776	20	7·125	10·040
25777*	33	9·536	10·268
25778	26	18·889	10·200
25779	11	20·712	10·506
25780	10	21·781	10·110
25781	11	5·256	11·754
25782	13	6·260	11·537
25783	13	9·040	11·425
25784	14	13·333	11·120
25785	11	14·386	11·030
25786	14	19·736	11·059
25787	13	6·426	12·912
25788	10	7·460	12·772
25789	13	9·570	12·536
25790	11	21·525	12·520
25791*	40	23·915	12·107
25792	13	25·477	12·095
25793	14	25·515	12·700
25794	26	9·244	13·458
25795	12	9·660	13·333
25796	13	23·910	13·826
25797	20	25·314	13·760
25798	12	3·282	14·891
25799*	45	6·045	14·885
25800	12	8·551	14·833
25801	16	12·423	14·000
25802	12	12·891	14·158
25803	21	14·680	14·817
25804	14	22·671	14·427
25805	11	25·984	14·764
25806*	38	2·044	15·642
25807*	43	2·265	15·808
25808*	99	5·971	15·547
25809*	48	7·390	15·452
25810	12	9·871	15·680
25811	11	11·103	15·871
25812	27	14·832	15·120
25813	10	16·062	15·140
25814	10	20·654	15·910
25815	18	23·345	15·314

25816	18	24·320	15·934
25817	10	24·953	15·370
25818	12	3·958	16·556
25819	9	10·700	16·764
25820	12	11·335	16·235
25821	15	15·708	16·766
25822	16	22·029	16·679
25823	12	23·900	16·546
25824	13	7·049	17·901
25825*	38	8·623	17·570
25826	10	8·803	17·743
25827	11	12·694	17·817
25828	10	13·611	17·222
25829	9	15·090	17·027
25830	24	16·022	17·741
25831	13	16·271	17·687
25832	12	17·274	17·608
25833	26	18·515	17·727
25834	24	19·411	17·943
25835	31	21·997	17·698
25836	22	24·219	17·074
25837	27	12·368	18·352
25838	10	12·610	18·961
25839	10	18·921	18·161
25840	10	19·426	18·187
25841	13	24·191	18·779
25842	14	2·266	19·560
25843	17	2·637	19·625
25844	12	9·384	19·294
25845	13	11·373	19·471
25846	10	11·408	19·055
25847	9	15·343	19·330
25848	22	18·475	19·191
25849	14	2·895	20·411
25850	12	7·172	20·882
25851	22	7·243	20·995
25852	22	10·130	20·926
25853	22	13·948	20·510
25854	24	15·354	20·106
25855	10	21·289	20·651
25856	11	22·979	20·650
25857	17	1·841	21·019
25858	22	5·717	21·469
25859	18	13·018	21·300
25860	11	13·818	21·747
25861	12	23·792	21·453
25862	28	2·200	22·266
25863	22	4·284	22·861
25864	38	8·015	22·152
25865	11	8·041	22·458
25866	9	10·823	22·759
25867	10	11·408	22·564
25868	27	11·448	22·802
25869	7	15·356	22·755
25870	8	15·565	22·771
25871	15	17·705	22·941
25872	13	17·771	22·361
25873	22	18·406	22·706
25874	10	18·462	22·464
25875	23	23·861	22·003
25876	17	3·842	23·536
25877	12	11·707	23·620
25878	11	13·252	23·126
25879	16	14·030	23·724
25880*	50	21·622	23·880
25881	10	22·098	23·270
25882	20	5·865	24·241
25883	16	6·092	24·755
25884	18	7·506	24·501
25885	11	8·343	24·735
25886	15	8·490	24·657
25887	12	9·614	24·199
25888	19	9·890	24·264
25889	14	15·127	24·484

25890	11	21·859	24·554
25891*	30	23·858	24·570
25892	13	12·913	25·756
25893	15	15·839	25·610
25894	13	17·098	25·670
25895	16	24·839	25·668
25896	16	25·293	25·872

R. A. 10h 52m

Plate 2227; 1903 Apr. 18.

Provisional Constants.

A	B	C
−·00054	+·00205	−·5956
D	**E**	**F**
−·00213	−·00059	+·0092

Mag. = 17·2 − 1·36 $\sqrt{d}$

No.	d	x	y
25901	37	1·330	0·090
25902	14	6·470	0·244
25903	10	11·606	0·847
25904	12	14·130	0·806
25905	12	15·502	0·174
25906	12	17·595	0·444
25907	10	19·226	0·041
25908	17	22·945	0·110
25909	11	22·637	0·920
25910	24	0·077	1·327
25911	15	4·550	1·975
25912	16	6·094	1·542
25913	14	8·057	1·104
25914	16	8·129	1·169
25915*	22	12·719	1·830
25916	29	15·471	1·843
25917	9	15·948	1·969
25918	22	1·086	2·004
25919	27	3·108	2·880
25920*	68	4·898	2·985
25921	14	9·790	2·280
25922	12	10·690	2·464
25923	10	10·952	2·930
25924*	27	11·990	2·353
25925	11	14·638	2·466
25926	10	17·224	2·164
25927	12	18·254	2·811
25928	26	22·193	2·596
25929	18	25·445	2·802
25930	14	4·631	3·358
25931	13	11·536	3·909
25932	22	11·550	3·924
25933	10	12·783	3·810
25934	12	13·183	3·688
25935	22	14·024	3·902
25936	12	16·788	3·224
25937	10	17·409	3·171
25938	12	17·467	3·330
25939	12	17·566	3·868
25940	10	18·195	3·607
25941	19	5·480	4·970
25942	12	11·480	4·237
25943	21	15·606	4·570
25944	17	17·343	4·452

25945	11	20·026	4·851
25946*	35	24·824	4·744
25947	23	0·330	5·484
25948*	34	3·511	5·568
25949	14	5·950	5·270
25950	11	7·080	5·773
25951	14	9·337	5·060
25952	8	9·496	5·390
25953	11	15·562	5·230
25954	10	20·756	5·824
25955	12	21·229	5·681
25956*	48	23·705	5·909
25957	13	4·319	6·633
25958	18	6·305	6·324
25959	9	14·473	6·641
25960	12	14·691	6·086
25961	16	15·060	6·540
25962	13	24·698	6·764
25963	13	1·988	7·481
25964	11	3·007	7·072
25965	12	5·766	7·662
25966	10	12·294	7·153
25967	10	12·716	7·926
25968	12	15·407	7·721
25969	13	16·718	7·101
25970	16	17·628	7·224
25971*	21	17·995	7·884
25972*	25	20·156	7·210
25973	10	24·230	7·297
25974	11	25·416	7·766
25975	31	0·501	8·601
25976	22	3·720	8·753
25977	13	12·194	8·071
25978	10	14·802	8·300
25979	11	22·243	8·208
25980	11	22·509	8·042
25981	12	25·932	8·955
25982	11	3·218	9·370
25983	13	4·314	9·118
25984	13	5·914	9·074
25985	19	9·282	9·975
25986	9	9·976	9·407
25987	10	12·846	9·678
25988	13	14·220	9·090
25989	13	14·619	9·921
25990	10	15·075	9·925
25991	14	16·618	9·558
25992	12	23·192	9·580
25993	21	23·858	9·493
25994	30	2·451	10·864
25995*	50	2·751	10·909
25996	13	3·301	10·203
25997	21	4·960	10·407
25998	11	5·922	10·935
25999	16	8·029	10·990
26000	12	12·722	10·790
26001	14	19·165	10·017
26002	10	19·552	10·557
26003	10	20·501	10·142
26004	10	21·259	10·610
26005	11	23·588	10·244
26006*	40	2·620	11·708
26007	13	5·322	11·499
26008	12	5·583	11·947
26009	13	6·473	11·625
26010	13	6·547	11·994
26011	20	8·804	11·387
26012	12	13·294	11·133
26013	10	14·729	11·521
26014	11	21·805	11·110
26015	15	0·205	12·943
26016*	55	0·300	12·051
26017	17	1·913	12·607
26018	11	5·615	12·285

26019	22	8·525	12·365
26020	14	9·230	12·158
26021*	33	16·280	12·698
26022	12	17·599	12·237
26023	16	22·328	12·235
26024	10	22·635	12·763
26025	16	22·712	12·503
26026*	40	25·187	12·548
26027	17	0·339	13·768
26028	24	1·740	13·670
26029*	31	4·300	13·196
26030*	56	4·481	13·793
26031	26	13·137	13·780
26032	13	2·432	14·657
26033	22	2·576	14·967
26034	12	6·580	14·070
26035	9	9·106	14·311
26036	20	13·307	14·154
26037	15	13·397	14·455
26038	10	14·175	14·040
26039	12	15·450	14·770
26040	14	17·434	14·890
26041	14	19·928	14·727
26042	12	19·978	14·170
26043	10	20·340	14·883
26044	20	24·000	14·026
26045	22	0·799	15·868
26046	12	1·420	15·286
26047	11	6·593	15·182
26048	13	7·107	15·430
26049	26	9·857	15·197
26050	9	10·781	15·117
26051	28	12·636	15·787
26052*	45	12·700	15·220
26053	11	12·719	15·150
26054	11	15·707	15·081
26055	28	15·715	15·104
26056	12	21·255	15·540
26057	15	0·399	16·491
26058	16	7·019	16·727
26059*	38	14·691	16·111
26060	12	15·916	16·774
26061	27	15·994	16·800
26062	15	17·320	16·967
26063	15	18·187	16·399
26064	10	18·864	16·952
26065	10	19·228	16·960
26066	28	0·730	17·010
26067	10	8·073	17·500
26068	11	8·596	17·033
26069	11	8·669	17·863
26070	11	10·690	17·810
26071*	30	20·070	17·709
26072	17	21·332	17·664
26073*	40	23·960	17·677
26074*	40	24·794	17·360
26075	16	25·430	17·399
26076	15	0·741	18·716
26077	15	2·846	18·696
26078	24	6·192	18·122
26079	22	15·507	18·348
26080	18	18·284	18·750
26081	19	19·669	18·116
26082	9	20·264	18·574
26083	9	21·080	18·580
26084	30	24·739	18·857
26085	11	25·896	18·642
26086	13	5·676	19·939
26087	10	7·500	19·459
26088	11	8·247	19·524
26089	13	8·493	19·661
26090	10	8·901	19·987
26091	26	9·016	19·595
26092*	42	9·397	19·872

26093	18	12·139	19·364
26094	13	13·535	19·716
26095	10	17·275	19·710
26096*	23	18·782	19·399
26097	23	24·952	19·913
26098	14	3·010	20·403
26099	17	3·901	20·588
26100	14	5·245	20·011
26101	13	5·583	20·285
26102*	29	10·230	20·557
26103	13	11·909	20·672
26104*	42	13·690	20·383
26105	13	15·490	20·116
26106	22	17·357	20·455
26107	22	17·648	20·828
26108	15	19·505	20·149
26109	15	0·413	21·400
26110	41	0·493	21·945
26111	11	6·910	21·677
26112	11	13·954	21·165
26113	12	17·425	21·115
26114	13	23·271	21·713
26115	38	25·900	21·052
26116	16	3·579	22·130
26117	11	7·351	22·007
26118	18	9·950	22·123
26119	21	17·457	22·420
26120*	41	22·580	22·411
26121	14	24·689	22·681
26122	13	25·157	22·441
26123*	34	6·846	23·464
26124	12	8·534	23·729
26125	10	8·657	23·922
26126	12	11·871	23·199
26127	10	11·993	23·837
26128	13	17·883	23·320
26129	14	18·600	23·727
26130	13	23·416	23·136
26131*	40	0·558	24·516
26132	18	4·430	24·749
26133	15	8·435	24·722
26134	11	10·230	24·519
26135	10	11·190	24·044
26136	10	14·071	24·002
26137	15	14·540	24·850
26138	9	18·616	24·359
26139	27	23·787	24·641
26140	19	6·540	25·164
26141	19	8·269	25·332
26142	18	8·819	25·607
26143	21	8·902	25·900
26144	26	9·454	25·187
26145	14	15·490	25·833
26146	10	16·102	25·275
26147	18	22·840	25·511
26148	20	23·923	25·311
26149	14	23·985	25·706

R. A. 11h 1m

Plate 2239; 1903 Apr. 19.

Provisional Constants.

A	B	C
−·00067	−·00331	−·003
D	**E**	**F**
+·00300	−·00061	−·041

Mag. = 16·5 − 1·36 $\sqrt{d}$

No.	d	x	y
26201	8	15·097	0·91
26202	10	20·404	0·95
26203	20	23·902	0·89
26204	6	3·906	1·16
26205	8	5·292	1·16
26206	8	5·584	1·04
26207	10	11·603	1·51
26208	9	13·773	1·01
26209*	25	15·511	1·62
26210	10	16·762	1·56
26211*	30	19·298	1·42
26212	10	2·677	2·78
26213	12	14·547	2·39
26214	9	19·737	2·38
26215	21	5·347	3·17
26216	9	7·425	3·51
26217	10	11·044	3·28
26218	10	16·722	3·63
26219	18	21·120	3·25
26220	10	21·807	3·56
26221*	49	2·088	4·73
26222	8	8·446	4·76
26223	11	9·133	4·11
26224*	22	21·213	4·3
26225	8	24·603	4·92
26226*	65	0·988	5·92
26227	8	20·203	5·23
26228	10	4·117	6·96
26229*	20	5·117	6·58
26230	12	6·283	6·34
26231	7	6·805	6·39
26232	10	6·837	6·37
26233	8	6·859	6·83
26234	7	10·070	6·68
26235	7	15·696	6·41
26236	10	23·443	6·13
26237*	20	23·787	6·96
26238*	40	11·400	7·45
26239	10	19·504	7·9
26240	9	16·155	8·4
26241	7	16·561	8·74
26242*	43	19·730	8·02
26243	9	21·284	8·33
26244	17	22·944	8·09
26245	20	24·921	8·17
26246	20	1·193	9·50
26247	9	7·812	9·38
26248	12	8·588	9·40
26249	6	9·725	9·70
26250	10	9·802	9·11
26251	10	9·898	9·72
26252	10	11·237	9·97
26253	10	14·284	9·20
26254	10	25·406	9·87
26255	9	5·699	10·40
26256*	13	11·755	10·48

26257	7	13·339	10·283
26258	10	20·949	10·986
26259	10	5·595	11·946
26260	7	5·676	11·237
26261	7	14·138	11·777
26262*	32	23·608	11·830
26263	11	25·055	11·441
26264	10	0·094	12·528
26265*	40	2·564	12·535
26266*	43	3·695	12·439
26267	10	7·107	12·945
26268	10	15·413	12·836
26269	10	23·986	12·637
26270	7	4·261	13·446
26271	10	10·916	13·199
26272	10	11·006	13·380
26273	11	23·497	13·706
26274*	26	24·546	13·506
26275	13	24·643	13·000
26276	29	24·761	13·013
26277	18	1·400	14·033
26278*	30	4·724	14·585
26279	10	6·117	14·490
26280	21	10·966	14·555
26281*	24	11·164	14·615
26282	10	13·225	14·573
26283	10	19·516	14·927
26284	10	22·265	14·769
26285	10	11·837	15·550
26286	10	13·892	15·050
26287	13	18·496	15·127
26288	19	4·405	16·843
26289	8	6·200	16·205
26290	10	10·594	16·120
26291	10	15·480	16·763
26292	13	23·833	16·165
26293	7	25·086	16·575
26294*	47	1·415	17·684
26295*	40	2·246	17·355
26296	11	2·884	17·384
26297	8	7·976	17·222
26298	6	8·977	17·299
26299	12	9·019	17·624
26300	10	15·193	17·441
26301	9	15·535	17·177
26302	8	22·515	17·925
26303	12	23·393	17·835
26304	7	25·300	17·958
26305	26	2·215	18·852
26306*	31	13·564	18·655
26307	9	14·105	18·899
26308	9	18·171	18·406
26309	10	19·957	18·777
26310	10	21·040	18·507
26311	9	23·364	18·276
26312	13	2·442	19·905
26313	12	5·447	19·579
26314	9	8·184	19·396
26315	8	9·354	19·353
26316	10	16·993	19·414
26317	8	9·623	20·550
26318*	29	11·192	20·543
26319	6	11·316	20·616
26320	13	18·000	20·310
26321	6	21·618	20·237
26322	31	3·410	21·027
26323	9	19·155	21·181
26324	10	22·565	21·409
26325*	21	23·846	21·500
26326*	65	0·108	22·437
26327	10	4·504	22·064
26328*	31	4·874	22·926
26329*	34	6·123	22·117
26330	11	7·127	22·296
26331	10	8·249	22·626
26332	9	8·313	22·546
26333	10	8·321	22·937
26334	10	11·050	22·307
26335	10	12·694	22·075
26336	20	14·279	22·423
26337	10	16·324	22·776
26338	12	6·827	23·469
26339	7	11·670	23·715
26340	8	14·085	23·984
26341	7	19·626	23·262
26342	21	1·350	24·650
26343	14	8·211	24·992
26344*	42	8·304	24·686
26345	13	13·386	24·536
26346	9	14·264	24·063
26347	7	19·479	24·321
26348	8	10·157	25·682
26349	21	12·114	25·571
26350*	20	13·872	25·007
26351	14	22·176	25·543
26352	17	25·541	25·359

R. A. 11h 10m

Plate 2263; 1903 May 18.

Provisional Constants

A	B	C
−·00021	−·00345	+·1149
D	**E**	**F**
+·00261	−·00074	−·0180

Mag. = 16·7 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
26401	32	0·640	0·856
26402	14	6·836	0·380
26403	12	11·893	0·407
26404	14	18·170	0·120
26405	24	2·861	1·571
26406	18	4·676	1·484
26407	13	22·707	1·930
26408*	28	6·511	2·020
26409*	36	7·980	2·177
26410	13	8·954	2·230
26411	10	10·511	2·757
26412*	28	18·017	2·431
26413	14	18·681	2·244
26414	12	18·687	2·983
26415	13	19·493	2·897
26416	12	20·803	2·264
26417	14	22·665	2·921
26418	14	12·514	3·700
26419	11	13·631	3·858
26420	12	22·337	3·358
26421	16	2·645	4·460
26422	10	6·082	4·346
26423	12	7·010	4·210
26424	9	9·797	4·198
26425	13	11·730	4·350
26426	10	12·816	4·739
26427	13	12·822	4·933
26428	10	14·695	4·705
26429	8	21·382	4·152
26430	20	6·029	5·232
26431	11	23·246	5·907
26432	12	25·495	5·753
26433	18	0·287	6·109
26434*	31	0·650	6·940
26435	12	4·184	6·094
26436	10	7·798	6·585
26437	14	8·823	6·186
26438	12	12·759	6·356
26439	10	22·716	6·757
26440	10	18·301	7·949
26441	12	23·430	7·628
26442	22	25·276	7·830
26443	32	1·806	8·125
26444	11	4·871	8·998
26445	14	16·887	8·606
26446	12	19·431	8·404
26447	12	20·206	8·201
26448	22	2·329	9·814
26449	12	3·139	9·442
26450*	26	4·567	9·340
26451	10	5·033	9·270
26452	13	8·161	9·304
26453	20	10·204	9·560
26454	11	10·851	9·444
26455	12	16·399	9·832
26456	12	17·139	9·999
26457	22	18·118	9·504
26458	12	19·783	9·579
26459	19	20·388	9·540
26460	14	22·680	9·202
26461	15	22·866	9·113
26462	12	22·894	9·681
26463*	43	25·517	9·124
26464*	39	5·056	10·167
26465	13	5·285	10·880
26466	12	5·457	10·535
26467	13	6·060	10·870
26468	12	8·889	10·849
26469	22	15·280	10·060
26470	14	18·880	10·570
26471	10	21·710	10·480
26472*	60	0·570	11·806
26473	15	2·009	11·385
26474	10	4·872	11·337
26475	14	10·307	11·133
26476	14	19·972	11·631
26477	12	25·422	11·953
26478	14	0·960	12·602
26479	23	1·627	12·952
26480	40	1·746	12·964
26481	22	9·008	12·324
26482	12	22·943	12·170
26483	20	0·500	13·683
26484*	38	1·544	13·458
26485	13	7·394	13·235
26486	10	8·313	13·602
26487	13	11·877	13·387
26488*	22	23·174	13·684
26489*	36	24·048	13·889
26490	11	5·036	14·191
26491	11	10·843	14·931
26492	18	11·630	14·084
26493	14	13·270	14·950
26494	18	22·188	14·160
26495	10	25·351	14·106
26496	11	25·467	14·914
26497	14	21·150	15·651
26498	23	0·880	16·133
26499	13	11·660	16·740
26500	11	14·250	16·181
26501	17	0·475	17·811
26502	13	4·028	17·546
26503	12	4·169	17·750
26504	10	4·919	17·408
26505	14	15·739	17·545
26506	15	16·629	17·657
26507	14	16·734	17·620
26508*	28	21·052	17·960
26509	14	23·640	17·649
26510	14	5·661	18·143
26511	10	9·817	18·601
26512	10	17·505	18·565
26513	14	17·987	18·074
26514	10	18·636	18·691
26515*	29	24·986	18·653
26516*	14	9·732	19·227
26517	10	9·912	19·176
26518	11	22·987	19·608
26519	15	25·904	19·083
26520	14	9·991	20·531
26521	12	15·010	20·368
26522	10	16·933	20·226
26523	33	18·290	20·903
26524	14	19·969	20·998
26525*	29	1·001	21·462
26526	14	4·121	21·161
26527	17	4·298	21·402
26528	14	9·550	21·357
26529	13	15·228	21·830
26530	10	16·550	21·800
26531	14	5·109	22·660
26532	10	19·933	22·415
26533	13	22·427	22·292
26534	18	22·540	22·765
26535	11	24·000	22·040
26536	14	24·730	22·461
26537	11	10·341	23·800
26538	11	13·650	23·850
26539	11	14·940	23·770
26540	10	15·644	23·983
26541	14	15·890	23·479
26542	15	16·406	23·850
26543	11	9·610	24·524
26544	12	12·339	24·652
26545	13	21·851	24·996
26546	26	2·777	25·292
26547	28	5·527	25·980
26548	17	6·580	25·530
26549	10	24·870	25·741
26550	14	25·705	25·531

R. A. 11h 19m

Plate 2228; 1903 Apr. 18.

Provisional Constants.

A	B	C
−·00061	+·00604	−·2726
D	**E**	**F**
−·00607	−·00069	+·1023

Mag. = 16·9 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
26601	22	3·918	0·053
26602	11	13·679	0·422
26603	13	16·210	0·881
26604	13	22·366	0·296
26605*	26	25·147	0·219
26606	14	6·566	1·091
26607	12	9·374	1·163
26608	12	9·787	1·632
26609	22	11·323	1·400
26610	17	11·923	1·963
26611	20	12·140	1·377
26612*	34	12·784	1·565
26613	10	17·054	1·141
26614*	23	21·194	1·076
26615	9	23·568	1·140
26616	26	3·699	2·100
26617	10	4·680	2·304
26618	17	5·020	2·480
26619	22	6·740	2·818
26620*	39	9·680	2·282
26621	11	10·881	2·573
26622	10	12·054	2·939
26623	9	13·926	2·060
26624	12	16·928	2·888
26625	12	17·228	2·007
26626	14	21·029	2·924
26627	24	5·596	3·820
26628	22	11·031	3·200
26629	15	11·062	3·690
26630*	24	16·254	3·660
26631	11	21·261	3·871
26632	11	23·242	3·793
26633	13	4·085	4·808
26634*	48	15·188	4·720
26635	10	17·772	4·167
26636	16	21·432	4·241
26637	13	24·321	4·106
26638	15	1·884	5·773
26639	14	2·537	5·315
26640	16	4·096	5·595
26641	11	8·962	5·347
26642*	24	14·984	5·206
26643	9	18·644	5·969
26644	12	19·480	5·536
26645*	38	21·544	5·499
26646	12	10·944	6·976
26647	9	11·796	6·280
26648	18	14·150	6·470
26649	10	14·740	6·842
26650	11	20·804	6·370
26651	9	21·449	6·799
26652	15	24·103	6·259
26653	29	1·724	7·857
26654	16	8·804	7·504
26655	10	11·519	7·748
26656*	63	16·158	7·445
26657	9	18·738	7·431
26658	12	18·881	7·666
26659	10	21·800	7·891
26660	9	24·101	7·250
26661	19	24·380	7·970
26662	16	8·409	8·950
26663	11	9·060	8·346
26664	16	10·575	8·425
26665	17	14·697	8·930
26666	14	18·630	8·199
26667	22	20·152	8·609
26668	12	22·062	8·766
26669*	50	2·003	9·147
26670	15	2·556	9·356
26671	10	5·968	9·243
26672	10	6·231	9·733
26673	14	9·640	9·667
26674*	31	13·500	9·610
26675	13	13·828	9·730
26676*	32	14·296	9·041
26677	14	17·389	9·353
26678	16	22·676	9·842

26679	16	23·517	9·713
26680	19	3·493	10·290
26681	13	13·260	10·461
26682	13	18·663	10·707
26683	12	18·757	10·947
26684	10	20·803	10·274
26685	18	22·490	10·417
26686	10	22·944	10·745
26687	13	24·396	10·170
26688	13	24·576	10·296
26689	18	1·987	11·975
26690	26	3·956	11·878
26691	13	7·172	11·555
26692	14	13·244	11·947
26693	10	16·360	11·179
26694	14	19·905	11·578
26695	14	21·036	11·754
26696	12	22·448	11·545
26697	12	9·289	12·457
26698	13	12·981	12·920
26699	18	15·830	12·464
26700	11	16·915	12·519
26701	12	18·554	12·918
26702	9	22·685	12·210
26703	15	22·954	12·970
26704	12	24·827	12·870
26705*	48	25·646	12·764
26706*	58	0·670	13·949
26707	11	1·421	13·715
26708	12	5·468	13·680
26709	14	5·970	13·218
26710	21	8·420	13·544
26711	10	9·464	13·490
26712	14	9·555	13·200
26713	14	9·790	13·055
26714	14	11·238	13·661
26715	14	13·268	13·520
26716	10	25·326	13·330
26717	13	1·978	14·127
26718	13	2·112	14·933
26719	18	2·914	14·424
26720	20	3·597	14·770
26721	10	4·618	14·660
26722	12	13·730	14·929
26723*	33	15·599	14·602
26724	14	16·890	14·158
26725	12	18·580	14·034
26726	11	20·140	14·365
26727	12	20·638	14·150
26728	11	22·962	14·430
26729	10	24·071	14·744
26730	13	3·805	15·140
26731	11	5·450	15·022
26732	11	7·994	15·370
26733	11	10·688	15·300
26734	10	11·403	15·614
26735	10	12·335	15·393
26736	22	13·671	15·124
26737	15	17·699	15·285
26738	11	5·192	16·711
26739	14	16·274	16·466
26740	10	18·674	16·026
26741	10	21·830	16·678
26742	10	23·089	16·520
26743	12	24·259	16·997
26744	10	6·231	17·340
26745	13	6·599	17·208
26746	12	7·618	17·480
26747	13	10·575	17·770
26748	12	13·186	17·193
26749	16	14·977	17·199
26750	16	24·890	17·800
26751*	40	1·744	18·686
26752	14	5·287	18·480

26753	21	7·889	18·360
26754	9	13·492	18·583
26755	11	14·040	18·383
26756	12	16·351	18·800
26757	14	21·724	18·162
26758	12	25·377	18·052
26759	11	25·971	18·754
26760	19	2·671	19·090
26761	20	3·371	19·190
26762	14	5·891	19·690
26763	13	7·768	19·514
26764	11	12·411	19·773
26765*	26	13·795	19·709
26766	24	14·121	19·820
26767	15	18·431	19·594
26768	14	24·170	19·855
26769	22	25·039	19·360
26770	22	5·684	20·521
26771	23	6·244	20·690
26772	12	8·105	20·472
26773	12	11·105	20·353
26774	10	16·582	20·831
26775	10	23·090	20·572
26776	22	23·190	20·496
26777	12	6·858	21·288
26778	20	7·225	21·300
26779	9	8·119	21·437
26780	13	9·314	21·059
26781	10	10·268	21·629
26782	9	15·640	21·006
26783	19	16·498	21·509
26784	12	17·818	21·420
26785	13	0·853	22·099
26786	15	1·598	22·500
26787	14	9·956	22·640
26788	11	12·221	22·466
26789	9	12·229	22·864
26790	19	13·791	22·476
26791	12	15·344	22·530
26792	22	23·587	22·252
26793	18	23·616	22·210
26794*	22	10·226	23·889
26795	10	10·270	23·164
26796	10	21·454	23·789
26797	16	22·408	23·376
26798	22	23·894	23·519
26799	28	25·720	23·294
26800*	37	8·744	24·557
26801	13	10·576	24·783
26802	14	22·408	24·233
26803	14	22·710	24·391
26804	21	2·658	25·541
26805	12	6·610	25·997
26806	22	7·070	25·200
26807	12	12·055	25·822
26808	21	21·491	25·470
26809	12	24·164	25·521

R. A. 11h 28m

Plate 2279; 1903 June 4.

Provisional Constants.

A	B	C
−·00040	−·00381	−·0247
D	**E**	**F**
+·00398	−·00037	−·0334

Mag. = 16·2 − 1·36 $\sqrt{d}$

No.	d	x	y
26901*	23	2·001	0·236
26902	16	8·196	0·847
26903	12	10·705	0·058
26904	14	16·060	0·571
26905	14	16·074	0·530
26906*	27	17·619	0·792
26907	14	21·808	0·241
26908	18	21·814	0·194
26909	16	25·616	0·771
26910	14	6·618	1·110
26911	15	10·366	1·200
26912	16	15·250	1·660
26913	14	19·477	1·461
26914	18	24·759	1·160
26915	16	7·131	2·306
26916	17	11·139	2·022
26917	22	16·944	2·430
26918	16	8·300	3·955
26919	13	8·541	3·558
26920*	22	14·233	3·155
26921	15	18·301	3·691
26922	15	24·565	3·743
26923	14	5·344	4·723
26924	17	9·490	4·800
26925	14	15·011	4·959
26926	14	7·326	5·073
26927	18	7·922	5·114
26928*	22	10·831	5·925
26929	15	12·825	5·091
26930	14	15·571	5·630
26931	11	20·757	5·758
26932	14	22·884	5·331
26933	23	1·021	6·289
26934	19	2·962	6·557
26935*	36	5·459	6·250
26936	14	10·009	6·493
26937	14	10·799	6·130
26938*	24	19·089	6·893
26939	14	24·025	6·741
26940	26	1·315	7·994
26941*	48	4·621	7·270
26942*	22	4·743	7·460
26943	15	8·568	7·260
26944	12	24·163	7·107
26945*	26	3·935	8·460
26946	22	12·001	8·239
26947	17	12·889	8·320
26948	18	18·917	8·575
26949	14	25·879	8·433
26950	29	0·475	9·749
26951	12	3·906	9·882
26952	16	3·990	9·458
26953	14	4·150	9·835
26954	12	4·271	9·900
26955	14	4·720	9·660
26956	14	7·094	9·324

26957	15	7·816	9·206
26958	18	8·938	9·009
26959	18	12·709	9·127
26960	19	18·170	9·603
26961	15	25·820	9·011
26962	17	1·357	10·194
26963	17	1·540	10·320
26964	13	6·883	10·363
26965*	41	9·600	10·494
26966	16	19·870	10·079
26967	16	22·897	10·828
26968	16	9·965	11·913
26969	19	13·953	11·712
26970*	29	18·303	11·653
26971	12	21·438	11·630
26972	16	22·400	11·700
26973	18	1·815	12·890
26974*	53	2·634	12·776
26975	18	3·612	12·099
26976	11	5·167	12·882
26977	12	23·682	12·173
26978	18	14·746	13·780
26979*	45	17·416	13·788
26980	19	20·530	13·854
26981	19	23·622	13·847
26982	16	15·143	14·486
26983	14	23·840	14·804
26984	11	5·105	15·640
26985	15	5·537	15·130
26986	19	6·425	15·130
26987	11	7·375	15·585
26988	18	14·490	15·342
26989	18	9·928	16·459
26990	14	10·312	16·950
26991	19	15·273	16·289
26992	12	16·894	16·018
26993*	33	20·159	16·335
26994	13	25·458	16·835
26995	20	1·934	17·819
26996	13	3·582	17·063
26997	19	13·297	17·274
26998	16	16·828	17·945
26999	13	19·061	17·620
27000	16	3·025	18·765
27001	14	22·581	18·953
27002	14	23·070	18·399
27003	16	23·820	18·673
27004	26	1·235	19·884
27005	22	2·096	19·380
27006*	31	8·700	19·298
27007	13	10·049	19·461
27008	14	16·230	19·112
27009	16	16·814	19·249
27010	14	18·066	19·779
27011	27	0·260	20·535
27012	16	6·258	20·450
27013	21	8·568	20·960
27014	15	9·130	20·119
27015	18	9·330	20·202
27016	15	9·842	20·800
27017	14	15·672	20·870
27018	22	16·794	20·694
27019	11	20·276	20·130
27020	13	21·804	20·144
27021	12	22·344	20·468
27022	17	14·849	21·408
27023	15	19·768	21·590
27024	11	19·829	21·637
27025	12	21·101	21·860
27026	24	25·893	21·790
27027	29	0·679	22·288
27028	29	0·709	22·245
27029	24	3·664	22·101
27030	13	8·191	22·147

27031	25	10·986	22·973
27032	13	18·186	22·225
27033	12	21·368	22·344
27034	13	21·431	22·303
27035*	33	25·233	22·790
27036	30	0·995	23·550
27037	28	2·825	23·305
27038	18	4·980	23·400
27039	17	5·853	23·265
27040	14	6·964	23·057
27041	14	9·521	23·578
27042	14	10·481	23·248
27043	17	10·563	23·080
27044	13	11·429	23·030
27045	18	15·363	23·676
27046	14	20·781	23·373
27047	29	4·500	24·360
27048	12	7·893	24·740
27049	15	14·117	24·379
27050	14	14·359	24·175
27051	20	18·387	24·055
27052	11	19·089	24·497
27053*	30	23·050	24·184
27054	28	7·298	25·777
27055	12	12·968	25·338
27056*	29	17·164	25·861
27057	12	17·466	25·609

R. A. 11h 37m

Plate 2280; 1903 June 4.

Provisional Constants.

A	B	C
−·00014	−·01115	+·1818
D	**E**	**F**
+·01085	−·00036	−·3045

Mag. = 15·5 − 1·36 $\sqrt{d}$

No.	d	x	y
27101	12	2·444	0·411
27102	10	5·588	0·320
27103	13	12·744	0·442
27104	10	18·437	0·639
27105	13	22·626	0·785
27106	11	24·470	0·285
27107	11	5·729	1·341
27108	15	5·951	1·535
27109*	13	7·680	1·350
27110	10	8·834	1·639
27111	10	8·857	1·458
27112	10	15·879	1·882
27113	10	17·069	1·327
27114	11	24·021	1·397
27115	13	9·673	2·025
27116	10	10·227	2·727
27117*	32	18·079	2·520
27118	14	18·274	2·671
27119	10	21·151	2·411
27120	14	1·428	3·393
27121	10	10·811	3·200
27122	11	12·081	3·177
27123*	22	13·458	3·604
27124	10	18·192	3·068

No.	d	x	y
27125	10	22·259	3·514
27126*	32	3·703	4·496
27127	10	7·673	4·611
27128	13	9·082	4·556
27129	10	12·945	4·390
27130	11	13·555	4·688
27131	10	16·040	4·767
27132	13	18·064	4·833
27133	10	19·342	4·894
27134	10	20·532	4·955
27135	10	22·879	4·757
27136	10	3·947	5·115
27137	13	3·969	5·098
27138	15	5·295	5·376
27139	10	8·837	5·547
27140	10	10·801	5·860
27141	10	12·775	5·731
27142	13	18·755	5·664
27143	10	21·206	5·680
27144	10	22·024	5·080
27145	11	0·925	6·397
27146	13	1·070	6·764
27147	13	8·598	6·707
27148	13	9·460	6·490
27149*	39	18·261	6·308
27150	10	20·591	6·566
27151	10	3·388	7·339
27152	13	5·023	7·737
27153	13	8·831	7·753
27154	10	15·100	7·366
27155	11	16·432	7·707
27156	12	17·581	7·637
27157	13	18·915	7·759
27158	11	2·750	8·650
27159	10	2·801	8·066
27160	22	3·533	8·206
27161	10	5·749	8·137
27162	10	8·294	8·869
27163*	21	8·416	8·013
27164*	13	9·185	8·105
27165	10	18·728	8·416
27166	10	21·904	8·249
27167	10	23·717	8·355
27168	13	6·449	9·005
27169	10	6·980	9·428
27170	10	7·226	9·688
27171	10	13·072	9·438
27172	13	18·460	9·637
27173	11	3·719	10·442
27174	10	7·311	10·337
27175	10	11·050	10·640
27176	11	12·842	10·896
27177	22	16·441	10·674
27178	11	16·604	10·189
27179	10	22·850	10·413
27180	10	0·650	11·834
27181	10	3·016	11·629
27182	10	4·598	11·080
27183	10	16·184	11·484
27184	10	19·664	11·080
27185*	12	24·092	11·649
27186	10	24·478	11·250
27187	12	5·300	12·973
27188	11	19·359	12·482
27189	10	23·652	12·683
27190*	30	24·322	12·749
27191	13	0·614	13·507
27192	13	8·701	13·533
27193	10	9·357	13·296
27194	11	11·099	13·709
27195	13	16·029	13·517
27196	10	16·263	13·232
27197	11	16·384	13·896
27198	19	16·914	13·099

No.	d	x	y
27199*	29	21·586	13·514
27200	10	5·331	14·608
27201	10	6·374	14·207
27202	13	10·709	14·350
27203	11	14·071	14·369
27204	10	17·397	14·404
27205	15	18·808	14·668
27206	10	19·432	14·714
27207*	13	22·603	14·015
27208	10	23·216	14·029
27209	10	25·278	14·394
27210	13	14·618	15·274
27211	10	20·095	15·768
27212*	23	25·126	15·029
27213	11	2·492	16·473
27214	10	7·455	16·553
27215	10	7·505	16·907
27216	12	16·463	16·781
27217	11	17·248	16·663
27218*	22	20·088	16·915
27219	10	21·186	16·937
27220	10	5·360	17·177
27221	10	5·595	17·971
27222	10	5·664	17·253
27223	13	6·584	17·338
27224	13	13·587	17·202
27225	13	15·595	17·115
27226	13	16·514	17·655
27227	10	22·460	17·618
27228	11	23·558	17·490
27229	13	24·704	17·729
27230	12	0·123	18·068
27231	12	0·871	18·330
27232	10	4·936	18·474
27233	10	5·655	18·330
27234	13	5·691	18·714
27235	10	11·964	18·532
27236	10	12·047	18·390
27237	10	12·108	18·732
27238	10	12·500	18·886
27239	10	17·832	18·898
27240	10	19·173	18·314
27241	15	21·186	18·592
27242	10	24·609	18·085
27243	11	4·800	19·376
27244	13	6·603	19·468
27245	10	11·311	19·461
27246*	24	19·255	19·208
27247	10	25·131	19·258
27248	10	3·421	20·027
27249	11	3·424	20·290
27250	10	9·049	20·827
27251	10	9·577	20·142
27252	10	9·668	20·003
27253	10	9·703	20·820
27254	10	11·770	20·549
27255	10	21·845	20·786
27256	12	2·990	21·422
27257	10	6·207	21·170
27258	11	13·374	21·182
27259	10	14·417	21·425
27260	11	16·745	21·262
27261*	19	17·970	21·144
27262	11	22·583	21·201
27263*	28	2·341	22·432
27264	13	5·815	22·614
27265	10	12·461	22·076
27266	10	19·863	22·494
27267*	13	20·858	22·900
27268	11	25·611	22·979
27269	34	0·168	23·852
27270*	22	7·318	23·948
27271*	24	7·746	23·919
27272	12	8·111	23·431

No.	d	x	y
27273*	25	8·972	23·505
27274	10	16·325	23·255
27275	10	16·425	23·389
27276*	22	17·365	23·511
27277	11	18·319	23·639
27278	11	24·920	23·133
27279	10	7·130	24·497
27280	10	19·080	24·655
27281	12	9·940	25·899
27282	10	10·875	25·153
27283	11	11·139	25·414
27284	10	21·233	25·768
27285	20	23·436	25·911
27286	10	25·240	25·703

R. A. 11h 46m

Plate 2282; 1903 June 5.

Provisional Constants.

A	B	C
−·00036	−·00332	+·0251
D	**E**	**F**
+·00276	+·00012	−·0796

Mag. = 15·9 − 1·36 $\sqrt{d}$

No.	d	x	y
27301	17	0·921	0·260
27302	10	19·146	0·457
27303	19	4·571	1·556
27304	11	7·906	1·539
27305*	41	8·839	1·614
27306	13	12·680	1·429
27307	11	15·779	1·794
27308	10	16·622	1·729
27309	11	22·359	1·968
27310	13	23·344	1·875
27311	13	24·746	1·733
27312	12	25·739	1·033
27313	14	2·729	2·006
27314	16	12·294	2·875
27315	22	14·727	2·924
27316	11	15·959	2·530
27317	13	18·199	2·857
27318	13	20·414	2·360
27319	10	4·494	3·500
27320	11	6·671	3·490
27321	13	10·457	3·599
27322	10	19·505	3·839
27323	10	19·737	3·437
27324	13	22·898	3·489
27325	13	8·673	4·166
27326	13	12·490	4·515
27327	13	15·018	4·220
27328	10	23·094	4·966
27329	13	24·390	4·471
27330	13	24·651	4·756
27331	10	25·500	4·483
27332	13	7·333	5·100
27333	11	9·347	5·324
27334	13	9·403	5·671
27335	23	12·399	5·390
27336	23	15·522	5·003
27337	13	23·527	5·164

No.	d	x	y
27338	10	6·824	6·298
27339	12	14·955	6·985
27340	11	20·971	6·049
27341	13	22·824	6·620
27342	10	24·601	6·787
27343	10	24·666	6·459
27344	13	16·264	7·216
27345	12	20·221	7·470
27346	13	7·585	8·907
27347	13	3·947	9·066
27348	13	9·077	9·777
27349	13	12·025	9·400
27350	22	13·303	9·925
27351	11	14·561	9·191
27352	10	25·430	9·577
27353	10	3·856	10·496
27354*	13	4·041	10·511
27355	13	9·911	10·785
27356	15	12·064	10·212
27357	17	13·695	10·016
27358	13	16·658	10·734
27359*	24	16·964	10·557
27360	13	19·985	10·681
27361	12	21·053	10·286
27362	11	22·918	10·411
27363*	11	0·861	11·631
27364	12	1·235	11·225
27365	13	8·036	11·439
27366	11	10·452	11·876
27367	13	19·374	11·682
27368	11	0·452	12·677
27369*	33	1·124	12·725
27370	13	5·581	12·314
27371	11	11·835	12·589
27372	11	14·580	12·349
27373	10	3·261	13·474
27374	13	3·980	13·836
27375	17	25·688	13·732
27376	14	0·051	14·038
27377*	30	1·990	14·981
27378	12	2·124	14·343
27379	13	3·657	14·887
27380	13	8·114	14·164
27381	11	8·306	14·558
27382	13	15·311	14·975
27383	13	20·400	14·706
27384	10	25·087	14·695
27385*	28	5·713	15·154
27386	13	21·711	15·182
27387	11	4·223	16·776
27388	12	4·320	16·606
27389	10	9·908	16·498
27390	11	10·126	16·005
27391	13	10·573	16·811
27392*	23	15·780	16·530
27393	15	18·070	16·366
27394	14	18·168	16·035
27395	11	24·307	16·522
27396	11	0·491	17·485
27397	19	1·644	17·694
27398	13	7·388	17·629
27399	12	9·864	17·093
27400	30	17·322	17·569
27401*	32	17·335	17·574
27402	13	23·655	17·320
27403	14	1·560	18·051
27404	13	6·165	18·411
27405	13	7·584	18·234
27406	11	12·551	18·653
27407	17	14·050	18·034
27408	13	16·281	18·334
27409	13	22·690	18·571
27410	10	6·914	19·194
27411	13	15·774	19·913

No.	d	x	y
27412	13	16·142	19·071
27413	22	19·933	19·998
27414	11	20·071	19·044
27415	11	6·162	20·396
27416	13	10·111	20·765
27417	10	10·561	20·925
27418	11	16·277	20·288
27419	12	25·459	20·145
27420	13	4·380	21·776
27421	10	7·640	21·668
27422	10	9·186	21·429
27423	13	11·855	21·682
27424	20	23·064	21·995
27425	19	2·700	22·917
27426*	32	6·668	22·091
27427	12	9·619	22·895
27428	13	10·237	22·100
27429	10	15·095	22·579
27430*	29	19·778	22·384
27431	14	20·009	22·051
27432	22	21·654	22·325
27433*	32	25·344	22·168
27434	13	10·034	23·141
27435	11	10·592	23·911
27436	11	14·280	23·376
27437	13	16·338	23·826
27438	11	19·072	23·740
27439	21	20·767	23·678
27440	13	5·828	24·300
27441	10	9·871	24·434
27442	10	13·424	24·212
27443	22	14·724	24·405
27444	13	18·541	24·760
27445	13	19·494	24·709
27446	18	24·845	24·789
27447	28	0·605	25·909
27448*	23	7·891	25·104
27449	13	8·419	25·406
27450	13	13·454	25·680
27451	10	13·739	25·678

R. A. 11h 55m

Plate 2281; 1903 June 4.

Provisional Constants.

A	B	C
−·00030	−·00105	−·0884
D	**E**	**F**
+·00074	−·00065	−·0300

Mag. = 15·7 − 1·36 $\sqrt{d}$

No.	d	x	y
27501	12	4·797	0·843
27502	8	11·603	0·097
27503	10	13·084	0·557
27504	12	14·470	0·297
27505	10	14·955	0·513
27506	9	15·397	0·610
27507	10	17·666	0·507
27508	10	23·967	0·086
27509	16	25·701	0·683
27510	13	1·279	1·698
27511*	18	6·284	1·452

27512	19	13·648	1·777
27513	9	17·849	1·272
27514	8	19·174	1·573
27515	11	20·073	1·557
27516	12	9·304	2·614
27517	10	10·494	2·744
27518*	31	17·079	2·263
27519	7	17·214	2·855
27520	6	17·480	2·422
27521	10	21·127	2·537
27522	19	21·150	2·205
27523	6	22·598	2·344
27524	10	23·824	2·853
27525	10	3·904	3·813
27526	10	4·914	3·435
27527	10	6·185	3·848
27528	10	10·015	3·735
27529	10	10·548	3·666
27530	10	10·646	3·947
27531	10	11·117	3·668
27532	8	15·325	3·706
27533	10	16·489	3·601
27534	8	18·857	3·876
27535*	20	21·291	3·683
27536*	34	21·810	3·854
27537	18	21·840	3·303
27538	14	0·984	4·446
27539	10	1·254	4·724
27540	8	2·141	4·433
27541	16	3·134	4·823
27542	10	7·424	4·889
27543*	20	8·055	4·974
27544	8	9·250	4·025
27545	11	10·852	4·780
27546	10	13·080	4·423
27547	9	19·062	4·218
27548	9	20·291	4·350
27549	10	20·783	4·345
27550	10	21·630	4·846
27551	10	24·634	4·482
27552	10	24·846	4·095
27553	20	3·213	5·465
27554*	24	7·855	5·505
27555	10	14·424	5·504
27556	10	16·275	5·849
27557	10	20·443	5·821
27558	9	1·243	6·757
27559	10	1·306	6·427
27560	10	3·740	6·777
27561	7	11·365	6·257
27562	9	14·155	6·946
27563	7	16·904	6·440
27564	9	17·744	6·694
27565	9	19·924	6·231
27566	10	5·380	7·893
27567	9	11·559	7·838
27568	11	11·968	7·855
27569	10	12·026	7·667
27570	10	15·280	7·989
27571	11	17·937	7·382
27572	9	21·507	7·369
27573	9	21·713	7·939
27574	10	23·460	7·924
27575	10	3·217	8·617
27576	17	5·270	8·674
27577	16	5·490	8·589
27578	10	6·453	8·704
27579	10	16·065	8·724
27580	10	20·530	8·736
27581	8	2·136	9·530
27582	10	7·300	9·193
27583	14	16·518	9·488
27584	8	20·753	9·704
27585	9	25·944	9·731

27586	10	6·770	10·738
27587	9	8·535	10·095
27588	10	17·994	10·146
27589	10	3·374	11·496
27590	10	6·878	11·566
27591	9	8·137	11·311
27592	10	21·755	11·800
27593	10	23·955	11·906
27594	9	3·911	12·544
27595	10	7·298	12·171
27596	10	9·237	12·379
27597	7	11·599	12·917
27598	10	22·287	12·383
27599	16	2·486	13·677
27600	10	3·560	13·104
27601	10	3·957	13·694
27602	9	4·221	13·543
27603	10	4·291	13·729
27604	12	7·207	13·779
27605	8	18·694	13·751
27606	10	22·810	13·044
27607	10	1·907	14·648
27608	9	7·744	14·495
27609	17	12·328	14·390
27610	10	13·953	14·413
27611	9	20·840	14·875
27612	9	22·915	14·189
27613	19	3·250	15·381
27614	8	6·670	15·550
27615	13	12·563	15·521
27616*	41	15·727	15·333
27617	15	22·627	15·689
27618	13	25·181	15·504
27619	9	1·168	16·496
27620*	19	3·949	16·602
27621	9	5·392	16·004
27622	7	6·063	16·509
27623	9	10·765	16·646
27624	9	14·828	16·353
27625	9	20·041	16·970
27626	15	0·534	17·309
27627	9	2·383	17·143
27628	8	2·526	17·848
27629	20	4·107	17·433
27630	7	5·769	17·286
27631	10	5·883	17·170
27632	8	6·529	17·807
27633*	21	9·913	17·244
27634	7	16·481	17·394
27635	18	20·504	17·674
27636	10	22·153	17·927
27637*	34	25·683	17·739
27638	7	0·634	18·801
27639	9	7·324	18·317
27640	10	7·988	18·714
27641	7	8·899	18·196
27642	9	11·871	18·140
27643	8	12·170	18·211
27644	10	12·588	18·503
27645	10	14·156	18·094
27646*	28	17·074	18·449
27647	10	18·186	18·787
27648	8	0·700	19·346
27649	14	3·491	19·224
27650	18	6·107	19·050
27651	12	6·523	19·716
27652	9	6·565	19·821
27653	7	8·749	19·376
27654*	30	15·452	19·400
27655	7	16·474	19·224
27656	8	16·877	19·575
27657	10	17·306	19·985
27658	10	21·778	19·726
27659	8	25·240	19·315

27660	11	2·403	20·090
27661	18	3·055	20·639
27662	9	6·194	20·437
27663	6	9·904	20·938
27664	10	13·660	20·706
27665	8	15·517	20·653
27666	9	23·695	20·904
27667	8	24·747	20·035
27668	9	25·227	20·104
27669	9	25·767	20·824
27670	30	0·048	21·994
27671	24	3·093	21·147
27672	9	5·537	21·458
27673*	21	9·533	21·249
27674	20	14·974	21·204
27675	12	15·888	21·566
27676	10	20·611	21·580
27677	9	22·164	21·122
27678*	19	24·520	21·316
27679*	35	2·329	22·115
27680	13	9·371	22·447
27681	10	9·931	22·400
27682	9	13·258	22·816
27683	12	15·897	22·639
27684*	31	18·021	22·659
27685	11	20·006	22·552
27686	8	24·517	22·097
27687	12	25·983	22·417
27688	14	3·998	23·316
27689	10	6·409	23·578
27690*	28	8·779	23·703
27691	10	8·978	23·386
27692	10	14·505	23·532
27693	11	18·684	23·123
27694	25	25·278	23·955
27695	25	1·891	24·748
27696	10	6·068	24·835
27697	13	9·281	24·591
27698	12	19·671	24·617
27699	10	21·761	24·400
27700	9	6·983	25·414
27701	9	7·884	25·517
27702	9	10·211	25·917
27703	10	14·257	25·239
27704*	28	19·567	25·819
27705	16	20·705	25·985
27706	11	25·440	25·855

R. A. 12h 4m

Plate 2241; 1903 Apr. 22.

Provisional Constants.

A	B	C
−·00014	−·00638	+·1487
D	**E**	**F**
+·00665	−·00069	−·0982

Mag. = 16·3 − 1·36√d

No.	d	x	y
27801	17	2·553	0·584
27802	26	4·475	0·000
27803*	34	5·600	0·470
27804	31	6·076	0·631
27805	12	7·193	0·922

27806	14	8·716	0·700
27807	12	11·346	0·821
27808	14	19·688	0·274
27809	14	6·860	1·760
27810*	35	6·928	1·514
27811	11	8·975	1·571
27812	22	9·266	1·775
27813	14	11·120	1·328
27814	13	11·560	1·430
27815	10	13·664	1·181
27816*	35	13·876	1·196
27817	20	0·708	2·784
27818	23	3·478	2·478
27819	10	12·580	2·640
27820	19	13·491	2·800
27821	9	17·104	2·291
27822	9	17·327	2·571
27823	22	17·654	2·840
27824	11	18·575	2·270
27825	23	25·926	2·544
27826	13	4·199	3·434
27827	10	6·692	3·811
27828	10	10·681	3·786
27829	11	11·967	3·730
27830	10	20·188	3·322
27831	9	20·628	3·184
27832	15	8·203	4·382
27833	8	11·531	4·945
27834	13	14·082	4·240
27835	8	15·376	4·149
27836	14	19·240	4·100
27837	13	19·989	4·791
27838	10	20·600	4·878
27839	14	21·044	4·224
27840	10	21·327	4·572
27841	14	4·711	5·185
27842	8	11·560	5·654
27843	8	13·097	5·591
27844*	29	16·431	5·206
27845	13	17·587	5·190
27846	13	19·358	5·772
27847	9	19·897	5·612
27848	9	23·045	5·595
27849	21	23·250	5·644
27850	14	25·821	5·358
27851	22	25·930	5·161
27852	9	15·248	6·046
27853	20	0·422	7·859
27854	18	9·650	7·826
27855	20	17·306	7·566
27856	9	18·277	7·541
27857	14	18·307	7·352
27858	8	19·740	7·398
27859	9	21·379	7·431
27860*	32	22·454	7·749
27861	16	25·981	7·041
27862	10	5·559	8·690
27863	17	8·214	8·075
27864	9	12·433	8·290
27865	14	15·843	8·307
27866	9	18·140	8·540
27867	10	18·523	8·170
27868	13	19·765	8·520
27869	12	2·930	9·634
27870	9	8·185	9·264
27871	9	20·784	9·150
27872	17	21·449	9·111
27873	11	21·903	9·410
27874	14	24·165	9·330
27875	20	24·566	9·007
27876*	27	7·120	10·780
27877	11	10·704	10·929
27878*	38	10·936	10·954
27879	14	15·600	10·066

27880	14	16·292	10·241
27881	9	23·086	10·560
27882	17	23·902	10·412
27883	13	23·902	10·386
27884	16	0·971	11·837
27885	12	4·850	11·313
27886	11	12·883	11·078
27887	9	14·304	11·078
27888*	41	23·970	11·170
27889	14	25·090	11·241
27890	12	4·536	12·573
27891	9	4·740	12·206
27892	8	6·326	12·769
27893	13	7·272	12·495
27894	14	7·949	12·546
27895*	35	9·620	12·688
27896	15	12·341	12·360
27897*	38	15·638	12·430
27898	10	16·592	12·033
27899	12	22·126	12·567
27900	14	25·546	12·797
27901	12	4·539	13·327
27902	10	8·987	13·431
27903	13	13·500	13·920
27904	12	24·781	13·050
27905	12	4·973	14·052
27906	12	6·790	14·088
27907	10	7·927	14·257
27908	12	10·810	14·094
27909	11	11·162	14·946
27910	10	11·493	14·320
27911	12	17·660	14·350
27912	10	17·950	14·585
27913	8	24·431	14·760
27914*	37	24·658	14·544
27915	12	25·517	14·394
27916	20	2·249	15·413
27917	14	6·050	15·826
27918	11	15·818	15·365
27919	13	17·544	15·866
27920	8	20·090	15·424
27921	12	6·213	16·457
27922	8	6·530	16·054
27923	10	8·618	16·221
27924	10	13·685	16·626
27925	9	16·290	16·626
27926*	45	2·782	17·644
27927	15	7·070	17·916
27928	9	8·512	17·159
27929	8	9·042	17·170
27930	14	14·886	17·380
27931	16	17·827	17·764
27932	8	18·013	17·254
27933	8	20·309	17·842
27934	12	20·721	17·390
27935	18	21·411	17·944
27936	9	21·468	17·533
27937	10	22·904	17·390
27938	11	23·720	17·732
27939	12	6·180	18·026
27940	11	9·659	18·564
27941	9	10·300	18·415
27942	10	11·064	18·824
27943*	27	11·090	18·786
27944	25	12·267	18·961
27945	9	12·889	18·671
27946	14	16·269	18·474
27947	14	16·275	18·411
27948	14	16·934	18·886
27949	10	18·164	18·852
27950	10	21·809	18·633
27951	15	2·367	19·227
27952	10	18·830	19·621
27953*	34	24·613	19·347

No.	d	x	y
27954	14	2·361	20·014
27955	15	2·915	20·726
27956	13	6·566	20·399
27957*	45	10·490	20·250
27958	9	11·780	20·881
27959*	22	13·357	20·000
27960	14	14·789	20·530
27961*	31	1·674	21·237
27962	12	6·633	21·055
27963	24	9·781	21·691
27964	12	9·820	21·774
27965	12	10·314	21·862
27966	10	12·665	21·113
27967	12	16·471	21·380
27968	12	18·154	21·462
27969	9	19·291	21·157
27970	9	20·483	21·462
27971	18	3·151	22·313
27972*	45	3·510	22·156
27973	17	4·010	22·866
27974	30	5·502	22·811
27975	9	5·903	22·557
27976	12	6·207	22·017
27977	13	11·544	22·846
27978	14	14·247	22·240
27979	10	15·572	22·046
27980	10	19·577	22·660
27981	12	21·293	22·073
27982	10	24·195	22·820
27983	9	25·852	22·503
27984	33	2·469	23·862
27985	16	5·427	23·946
27986	14	10·631	23·484
27987	12	13·262	23·357
27988	12	18·128	23·713
27989	9	19·080	23·647
27990	14	22·119	23·607
27991	14	11·679	24·930
27992	10	16·487	24·794
27993	16	22·821	24·577
27994	18	23·711	24·461
27995	33	1·677	25·982
27996	10	12·564	25·437
27997	14	13·345	25·307
27998	9	13·510	25·080
27999	12	15·753	25·516
28000	13	18·250	25·290
28001	12	18·666	25·270
28002	14	21·988	25·410

R. A. 12h 13m

Plate 2242; 1903 Apr. 22.

Provisional Constants.

A	B	C
−·00052	+·00368	−·1387
D	**E**	**F**
−·00441	−·00024	+·0268

Mag. = 17·2 − 1·36$\sqrt{d}$

No.	d	x	y
28101	28	2·584	0·596
28102	17	2·986	0·914
28103	21	21·955	0·141
28104	16	5·593	1·789
28105	13	5·710	1·246
28106	14	17·397	1·864
28107	19	25·269	1·478
28108	29	2·301	2·471
28109	17	3·040	2·735
28110	12	6·361	2·461
28111	20	9·186	2·407
28112	25	9·566	2·704
28113	12	13·340	2·700
28114	23	19·760	2·020
28115	10	19·761	2·206
28116	18	22·430	2·820
28117	33	25·822	2·176
28118	11	7·470	3·775
28119	20	10·334	3·095
28120	14	11·214	3·260
28121	11	17·502	3·884
28122	16	19·236	3·814
28123	13	21·510	3·960
28124	14	25·090	3·070
28125	20	9·028	4·106
28126	10	12·101	4·960
28127	10	18·669	4·700
28128	17	2·285	5·290
28129	28	2·389	5·090
28130	20	6·326	5·140
28131	13	6·610	5·484
28132	12	7·849	5·541
28133	14	11·730	5·637
28134	10	12·162	5·548
28135	10	15·610	5·395
28136	15	16·883	5·501
28137	11	19·592	5·414
28138	17	2·498	6·966
28139	13	4·488	6·906
28140	10	9·686	6·350
28141	10	12·523	6·720
28142	25	2·558	7·557
28143	13	5·138	7·357
28144	14	7·163	7·546
28145	24	13·885	7·095
28146	11	14·055	7·559
28147	21	17·191	7·701
28148	15	19·086	7·619
28149	12	20·766	7·737
28150	10	21·549	7·994
28151	14	22·400	7·090
28152	15	25·822	7·645
28153	30	1·145	8·975
28154	15	4·244	8·235
28155	13	4·339	8·509
28156	24	4·380	8·093
28157	10	7·780	8·409
28158*	28	9·618	8·447
28159*	22	20·010	8·710
28160	10	20·969	8·356
28161	18	0·754	9·310
28162	14	3·280	9·431
28163*	40	5·088	9·396
28164*	35	16·761	9·637
28165	22	19·558	9·550
28166	11	21·956	9·828
28167	27	0·527	10·400
28168	18	0·527	10·375
28169	22	5·417	10·754
28170	10	6·900	10·570
28171*	75	14·150	10·656
28172	10	16·055	10·037
28173	20	17·948	10·827
28174	16	17·953	10·670
28175	20	18·524	10·339
28176	10	20·436	10·876
28177	10	23·767	10·560
28178*	67	0·617	11·156
28179	20	1·739	11·193
28180	17	3·860	11·040
28181	10	21·318	11·466
28182	12	23·052	11·453
28183	16	25·125	11·380
28184	23	2·243	12·731
28185	14	8·170	12·258
28186	19	11·874	12·171
28187	12	16·745	12·187
28188	21	22·283	12·376
28189	15	1·485	13·008
28190	14	3·890	13·472
28191	26	5·780	13·006
28192	14	7·847	13·310
28193	12	8·536	13·692
28194	12	9·307	13·992
28195	10	11·412	13·616
28196	10	12·560	13·438
28197	10	13·987	13·137
28198*	33	15·185	13·252
28199	13	15·803	13·249
28200*	39	17·934	13·460
28201	10	19·569	13·794
28202	13	22·249	13·390
28203*	53	1·410	14·507
28204	16	2·262	14·331
28205	14	2·905	14·098
28206	14	5·120	14·011
28207	10	10·702	14·327
28208	10	15·749	14·535
28209	34	25·950	14·960
28210	12	7·945	15·008
28211	13	8·559	15·620
28212	10	9·188	15·356
28213	12	10·115	15·790
28214	11	16·054	15·804
28215	13	18·919	15·486
28216	11	19·264	15·068
28217	13	20·720	15·428
28218	12	4·123	16·474
28219	12	7·246	16·320
28220	14	12·045	16·064
28221	10	14·718	16·860
28222	24	16·205	16·535
28223	11	21·129	16·079
28224	14	25·300	16·388
28225*	48	2·947	17·594
28226	17	5·851	17·514
28227	9	9·034	17·044
28228	12	9·035	17·814
28229	10	11·414	17·420
28230	14	13·656	17·210
28231	11	14·892	17·636
28232	11	17·684	17·020
28233	11	19·020	17·600
28234*	33	25·127	17·246
28235	14	25·424	17·237
28236	14	3·157	18·421
28237	17	9·005	18·977
28238	10	12·287	18·480
28239	9	12·306	18·280
28240	17	13·673	18·680
28241	12	17·210	18·238
28242	10	20·214	18·752
28243*	45	1·512	19·310
28244	11	6·749	19·290
28245	11	6·860	19·066
28246	10	15·429	19·384
28247	15	4·468	20·853
28248	11	8·158	20·472
28249	14	9·379	20·061
28250	18	22·895	20·580
28251	13	23·017	20·960
28252	20	23·576	20·060
22253	12	7·834	21·414
28254	21	8·763	21·864
28255	10	9·945	21·084
28256	17	11·819	21·239
28257	14	19·049	21·995
28258	12	19·430	21·240
28259	10	19·475	21·323
28260	9	20·696	21·947
28261	14	21·567	21·151
28262	20	3·113	22·328
28263	21	3·616	22·363
28264	16	5·278	22·020
28265	15	6·801	22·856
28266	15	7·745	22·946
28267	10	14·597	22·341
28268	8	16·260	22·714
28269	10	17·493	22·320
28270	12	23·320	22·709
28271	15	24·261	22·476
28272	35	24·906	22·620
28273	13	11·790	23·016
28274	14	11·974	23·670
28275	12	14·694	23·864
28276	10	15·150	23·311
28277	14	15·790	23·260
28278	13	18·207	23·631
28279	11	18·275	23·570
28280	10	20·754	23·190
28281	35	21·003	23·252
28282	22	0·772	24·451
28283	14	11·919	24·853
28284	23	19·101	25·190

R. A. 12h 22m

Plate 2243; 1903 Apr. 22.

Provisional Constants.

A	B	C
−·00054	−·00482	+·0609
D	**E**	**F**
+·00446	−·00045	−·0577

Mag. = 16·2 − 1·36$\sqrt{d}$

No.	d	x	y
28301	13	13·870	0·331
28302	11	14·813	0·600
28303	17	15·398	0·450
28304	10	19·285	0·469
28305	22	20·890	0·430
28306	23	21·290	0·640
28307	12	25·224	0·211
28308	22	2·101	1·490
28309	12	5·705	1·506
28310	21	7·947	1·117
28311	13	13·628	1·718
28312	10	19·244	1·831
28313*	31	19·604	1·603
28314*	32	19·608	1·837
28315	10	20·875	1·532
28316	10	23·422	1·748
28317	32	2·660	2·185
28318	13	11·897	2·422
28319	10	11·920	2·442
28320	12	13·118	2·970
28321*	23	17·118	2·746
28322	10	19·744	2·425
28323	10	25·727	2·226
28324	12	1·939	3·089
28325	19	4·631	3·870
28326	10	6·533	3·970
28327	11	15·766	3·580
28328	10	19·885	3·545
28329	10	21·861	3·488
28330	10	6·633	4·982
28331	10	9·670	4·322
28332	11	12·777	4·542
28333	13	21·609	4·330
28334	10	7·925	5·720
28335	10	10·070	5·438
28336	10	12·430	5·715
28337	10	13·089	5·470
28338	11	13·357	5·675
28339	10	14·900	5·777
28340	13	15·567	5·686
28341*	27	15·836	5·462
28342	17	15·850	5·215
28343	11	3·640	6·242
28344	10	12·200	6·946
28345	10	13·591	6·918
28346	23	16·659	6·891
28347	21	16·774	6·445
28348	24	16·875	6·204
28349	10	21·650	6·380
28350	15	23·105	6·524
28351	11	23·988	6·013
28352	12	2·720	7·655
28353	10	7·177	7·837
28354*	30	8·472	7·056
28355	22	16·980	7·030
28356*	31	20·140	7·942
28357	13	20·536	7·326
28358	12	21·944	7·041
28359	12	25·690	7·796
28360	10	3·460	8·951
28361*	23	3·585	8·554
28362	13	6·681	8·657
28363	13	13·603	8·911
28364	22	19·717	8·649
28365	10	19·751	8·660
28366	21	23·589	8·050
28367	11	3·644	9·751
28368	13	6·058	9·019
28369	12	7·930	9·142
28370*	32	10·574	9·121
28371	14	11·611	9·342
28372	12	15·970	9·936
28373	13	20·971	9·697
28374	11	22·677	9·044
28375	12	12·444	10·776
28376	23	19·400	10·192
28377	10	20·108	10·724
28378	10	24·385	10·442
28379	11	24·997	10·323
28380	12	2·064	11·394
28381	10	10·136	11·116
28382	11	10·253	11·550
28383	10	11·899	11·129
28384	10	13·633	11·418
28385	10	13·770	11·242
28386	10	15·264	11·350
28387*	25	15·717	11·576
28388	11	16·055	11·386
28389	12	18·600	11·950
28390	13	19·034	11·760

No.	d	x	y
28391	13	20·600	11·227
28392	12	22·695	11·476
28393	22	24·164	11·547
28394	50	4·744	12·955
28395	13	4·920	12·941
28396	10	9·437	12·373
28397	10	15·074	12·930
28398	13	16·418	12·322
28399	11	20·908	12·984
28400	22	22·487	12·262
28401	10	5·959	13·657
28402	13	6·830	13·322
28403	12	9·881	13·170
28404	12	13·289	13·267
28405	11	18·300	13·995
28406	13	18·782	13·819
28407	10	20·272	13·307
28408	15	25·774	13·263
28409*	32	2·930	14·967
28410	10	3·516	14·164
28411	10	5·709	14·000
28412	20	6·773	14·989
28413	22	8·967	14·701
28414	22	10·155	14·626
28415	11	16·798	14·599
28416	10	18·347	14·789
28417	12	19·844	14·027
28418	12	5·720	15·515
28419	13	13·830	15·708
28420*	31	19·617	15·272
28421	23	24·872	15·355
28422	10	25·677	15·825
28423	11	2·297	16·400
28424	12	3·736	16·420
28425	13	6·055	16·990
28426	13	11·986	16·313
28427	11	17·835	16·717
28428	22	20·832	16·433
28429*	25	2·130	17·260
28430	10	2·425	17·250
28431	10	3·971	17·926
28432	13	9·922	17·728
28433	10	11·867	17·822
28434	10	16·980	17·829
28435	19	17·302	17·356
28436	10	22·536	17·127
28437	16	24·586	17·792
28438	13	8·511	18·062
28439	12	14·377	18·456
28440	10	16·650	18·250
28441	10	21·838	18·657
28442	10	23·782	18·012
28443	13	24·089	18·888
28444	12	5·181	19·870
28445	10	7·811	19·818
28446	10	10·650	19·673
28447	10	18·249	19·712
28448*	31	21·499	19·601
28449	10	23·303	19·284
28450	14	24·271	19·394
28451*	27	24·999	19·970
28452	18	0·609	20·092
28453*	40	7·427	20·035
28454	10	7·355	20·782
28455	10	7·517	20·086
28456	13	7·600	20·814
28457	10	9·327	20·670
28458	14	12·215	20·071
28459	22	16·542	20·889
28460	10	17·613	20·571
28461	10	21·501	20·089
28462*	26	22·049	20·397
28463	18	8·931	21·739
28464	13	9·800	21·027
28465	11	10·949	21·289
28466	10	14·411	21·371
28467	10	15·255	21·581
28468	11	15·349	21·557
28469	10	15·499	21·549
28470	10	17·602	21·190
28471	14	1·321	22·500
28472	39	1·970	22·640
28473	33	6·666	22·986
28474	13	8·015	22·707
28475	10	8·808	22·622
28476	22	9·507	22·985
28477	10	10·236	22·155
28478	11	14·149	22·489
28479	15	15·443	22·425
28480	10	15·880	22·447
28481	12	18·677	22·238
28482	13	21·718	22·806
28483	10	24·630	22·839
28484	13	24·728	22·642
28485	29	7·276	23·470
28486	10	7·675	23·642
28487	11	12·360	23·449
28488	21	13·655	23·552
28489	10	16·411	23·329
28490	10	19·125	23·104
28491	21	23·060	23·140
28492	31	23·804	23·360
28493	20	3·847	24·210
28494	11	4·929	24·188
28495	13	5·250	24·748
28496	20	7·308	24·107
28497	10	13·264	24·133
28498	13	13·677	24·378
28499	44	18·409	24·364
28500	53	23·270	24·795
28501	23	3·255	25·175
28502	10	14·740	25·509
28503	12	19·322	25·312
28504	11	21·199	25·732

R. A. 12h 31m

Plate 2229; 1903 Apr. 18.

Provisional Constants.

A	B	C
−·00028	−·00216	−·1394
D	**E**	**F**
+·00179	−·00065	+·0006

Mag. = 16·6 − 1·36$\sqrt{d}$

No.	d	x	y
28601	10	12·483	0·493
28602	9	13·028	0·380
28603	10	14·585	0·554
28604	25	17·425	0·299
28605	17	17·757	0·828
28606	10	18·400	0·512
28607	9	19·986	0·226
28608	9	24·130	0·501
28609	9	12·357	1·380
28610*	32	13·268	1·069
28611	9	13·627	1·711
28612	10	4·899	2·045
28613	23	5·013	2·434
28614	9	7·740	2·501
28615	13	12·723	2·079
28616	26	16·092	2·583
28617	8	19·232	2·109
28618	31	24·061	2·822
28619	24	24·954	2·300
28620	12	6·249	3·173
28621	12	6·280	3·366
28622	10	10·177	3·643
28623	11	11·658	3·380
28624	12	11·913	3·935
28625	12	14·367	3·844
28626	10	14·430	3·992
28627*	41	15·095	3·948
28628*	25	19·090	3·747
28629	8	21·352	3·246
28630	11	24·239	3·811
28631	21	6·546	4·935
28632	10	7·250	4·949
28633	24	8·927	4·935
28634	11	16·439	4·307
28635	11	19·826	4·449
28636	10	24·168	4·195
28637	10	0·530	5·974
28638	19	11·701	5·777
28639	10	13·595	5·564
28640	10	18·565	5·534
28641	10	21·688	5·893
28642	27	2·914	6·694
28643	21	3·315	6·631
28644	10	3·471	6·025
28645	20	8·407	6·785
28646*	33	12·920	6·753
28647	23	14·014	6·815
28648	12	15·819	6·224
28649	20	17·034	6·455
28650	9	18·830	6·531
28651	20	23·675	6·771
28652	10	2·274	7·717
28653	11	12·165	7·981
28654	12	14·723	7·100
28655	11	23·889	7·007
28656	31	0·180	8·019
28657*	33	6·508	8·127
28658	22	8·800	8·300
28659	10	13·801	8·795
28660	10	14·962	8·612
28661	11	16·674	8·094
28662	10	17·404	8·627
28663	8	3·224	9·647
28664	9	4·043	9·121
28665	9	8·127	9·315
28666	12	9·753	9·645
28667*	42	10·461	9·954
28668	12	11·871	9·749
28669*	30	12·434	9·939
28670	18	14·727	9·880
28671	12	16·292	9·870
28672	25	16·635	9·745
28673	10	24·926	9·438
28674	13	1·639	10·260
28675	11	6·009	10·246
28676	15	17·173	10·334
28677	10	20·393	10·996
28678	8	21·561	10·101
28679	10	22·050	10·550
28680	37	0·833	11·504
28681	8	9·403	11·820
28682	10	13·877	11·607
28683	17	16·339	11·317
28684	10	20·640	11·451
28685	10	21·585	11·428
28686	15	24·317	11·239
28687	13	5·911	12·100
28688	21	7·882	12·455
28689	11	8·496	12·009
28690	10	12·640	12·855
28691	11	14·430	12·739
28692*	30	16·225	12·707
28693*	45	24·876	12·239
28694	23	2·481	13·184
28695	10	2·744	13·424
28696	10	3·023	13·486
28697	10	3·777	13·330
28698	20	4·045	13·853
28699	9	9·549	13·205
28700	10	10·844	13·474
28701	20	21·745	13·157
28702	10	22·517	13·325
28703	12	4·946	14·057
28704	13	6·674	14·905
28705	20	7·892	14·898
28706*	34	21·336	14·660
28707	35	1·630	15·294
28708	10	2·446	15·744
28709	14	6·479	15·929
28710	22	8·410	15·586
28711	18	11·861	15·691
28712	16	12·929	15·174
28713	20	17·674	15·248
28714	7	18·434	15·112
28715	10	20·131	15·702
28716	10	5·944	16·483
28717	10	11·587	16·204
28718	10	20·421	16·481
28719	9	20·692	16·193
28720*	22	23·103	16·636
28721	27	23·915	16·930
28722	10	24·825	16·897
28723	30	1·398	17·737
28724	18	3·890	17·918
28725	8	4·256	17·854
28726	10	4·329	17·796
28727	10	13·044	17·774
28728	12	20·752	17·793
28729	9	22·337	17·724
28730*	30	22·339	17·436
28731	8	22·527	17·410
28732	16	0·927	18·845
28733	18	5·724	18·715
28734	20	7·195	18·233
28735	10	7·661	18·638
28736	13	9·273	18·044
28737	9	15·361	18·469
28738	10	20·621	18·539
28739	21	21·367	18·336
28740	13	24·564	18·782
28741	25	1·121	19·346
28742*	43	1·561	19·906
28743	20	3·086	19·224
28744	10	6·737	19·666
28745	20	7·273	19·657
28746	12	10·995	19·644
28747	9	14·182	19·255
28748	13	14·461	19·604
28749	10	21·813	19·757
28750*	30	22·073	19·700
28751	9	24·078	19·515
28752	9	4·928	20·394
28753*	29	6·327	20·815
28754	25	6·928	20·335
28755	14	7·717	20·104
28756	9	9·576	20·455
28757*	31	10·842	20·415
28758	20	11·182	20·072
28759	12	12·536	20·960
28760	7	18·889	20·205
28761	30	4·223	21·279
28762	8	4·467	21·515
28763	10	12·894	21·456
28764	28	16·550	21·410
28765	10	17·963	21·158
28766	18	18·275	21·459
28767	11	1·653	22·584
28768	17	4·832	22·714
28769	11	8·344	22·970
28770	10	8·915	22·326
28771	12	10·200	22·865
28772	10	13·158	22·181
28773	55	0·744	23·322
28774	24	4·390	23·635
28775	10	13·966	23·787
28776	10	16·464	23·449
28777	10	18·714	23·111
28778	12	18·930	23·790
28779	26	20·458	23·900
28780	10	24·470	23·313
28781	8	25·676	23·461
28782	92	0·239	24·766
28783	10	6·013	24·856
28784	23	6·207	24·907
28785	11	9·294	24·976
28786	24	11·067	24·660
28787	10	13·567	24·345
28788	12	16·354	24·901
28789	11	22·957	24·344
28790	10	8·363	25·046
28791	30	19·547	25·572
28792	9	21·434	25·187

R. A. 12h 40m

Plate 2213; 1903 Mar. 30.

Provisional Constants.

A	B	C
−·00070	+·00006	−·0161
D	**E**	**F**
+·00010	−·00040	−·0430

Mag. = 16·0 − 1·36$\sqrt{d}$

No.	d	x	y
28801	13	15·140	0·774
28802	12	15·467	0·500
28803*	21	18·785	0·987
28804	12	19·379	0·545
28805	10	16·504	1·646
28806*	46	20·640	1·914
28807	10	22·537	1·707
28808	11	22·627	1·135
28809	35	0·848	2·745
28810	25	1·729	2·206
28811	10	13·757	2·897
28812*	37	15·949	2·728
28813	11	16·866	2·392
28814	11	24·435	2·407
28815	15	25·498	2·868
28816	17	1·046	3·729
28817*	27	4·831	3·258
28818	10	8·439	3·020
28819	10	9·749	3·705

No.	d	x	y
28820	14	13·485	3·025
28821	10	15·286	3·193
28822	15	16·983	3·814
28823	13	19·867	3·740
28824	11	23·198	3·644
28825*	27	5·040	4·205
28826*	23	6·016	4·481
28827	14	6·903	4·510
28828	12	11·900	4·639
28829*	40	14·420	4·831
28830	10	18·174	4·663
28831	17	19·871	4·320
28832	12	25·622	4·312
28833	16	2·875	5·688
28834	10	6·863	5·400
28835	11	7·141	5·019
28836	14	7·149	5·007
28837	11	10·403	5·024
28838	11	11·303	5·592
28839	12	12·280	5·102
28840	13	22·251	5·446
28841	10	22·793	5·435
28842	20	0·549	6·703
28843	15	0·767	6·933
28844	11	6·750	6·266
28845	12	8·495	7·694
28846	10	9·669	7·230
28847	10	13·130	7·639
28848	14	13·426	7·937
28849	12	17·736	7·127
28850	10	18·039	7·414
28851	14	19·149	7·604
28852	13	19·163	7·614
28853	10	19·239	7·550
28854*	21	7·714	8·827
28855	10	8·202	8·380
28856	20	10·860	8·717
28857	12	19·441	8·043
28858	11	22·780	8·980
28859	12	7·572	9·472
28860	16	8·492	9·174
28861*	21	11·064	9·357
28862*	38	14·581	9·885
28863	10	20·665	9·672
28864	10	8·333	10·280
28865	10	15·212	10·670
28866	14	18·914	10·620
28867	18	20·346	10·149
28868	15	23·403	10·706
28869	10	24·073	10·580
28870	11	24·949	10·570
28871	10	25·671	10·568
28872	16	1·289	11·157
28873	11	5·910	11·761
28874	16	8·508	11·418
28875	12	16·109	11·820
28876	16	21·958	11·840
28877*	58	1·870	12·145
28878*	53	3·296	12·820
28879*	30	4·666	12·050
28880	12	10·370	12·909
28881	21	19·131	12·466
28882*	38	21·728	12·292
28883	12	22·608	12·271
28884	16	24·777	12·775
28885	19	8·827	13·680
28886	13	9·120	13·679
28887	12	11·980	13·588
28888	12	14·670	13·627
28889	11	18·699	13·921
28890	14	16·370	14·480
28891	11	17·770	14·291
28892	12	20·640	14·030
28893	14	23·814	14·986
28894	15	3·513	15·665
28895	17	3·727	15·804
28896	12	4·282	15·525
28897	9	5·122	15·730
28898	17	9·040	15·201
28899	11	13·326	15·178
28900	16	17·410	15·949
28901	11	18·780	15·256
28902	14	18·914	15·240
28903*	29	0·196	16·578
28904	29	1·011	16·856
28905	13	5·650	16·829
28906	10	10·519	16·576
28907	13	10·554	16·150
28908	12	19·467	16·733
28909*	37	22·000	16·730
28910	11	25·038	16·800
28911	11	6·491	17·930
28912*	26	9·084	17·178
28913*	24	20·715	17·391
28914	11	23·336	17·640
28915	18	1·705	18·691
28916	15	4·621	18·920
28917	11	5·929	18·690
28918	12	6·232	18·645
28919	11	8·360	18·669
28920	12	13·686	18·309
28921	20	24·099	18·057
28922	15	4·714	19·109
28923	10	6·205	19·616
28924	11	7·356	19·576
28925	12	11·380	19·211
28926	10	11·446	19·507
28927	12	14·256	19·883
28928	11	14·811	19·470
28929	14	15·744	19·040
28930	10	20·172	19·100
28931	10	24·402	19·980
28932	16	3·374	20·013
28933	10	5·807	20·777
28934	10	6·190	20·936
28935	26	13·719	20·661
28936	10	16·007	20·400
28937	9	17·260	20·830
28938	14	22·929	20·694
28939	22	23·120	20·458
28940	13	5·020	21·262
28941	11	6·603	21·279
28942	8	12·105	21·350
28943	10	13·390	21·438
28944	12	15·236	21·160
28945	13	16·600	21·698
28946	18	3·524	22·920
28947	22	8·831	22·220
28948	10	15·596	22·952
28949	21	19·292	22·162
28950	10	21·217	22·451
28951	17	3·541	23·777
28952	14	7·965	23·584
28953	14	10·686	23·642
28954	14	24·214	23·785
28955	11	7·311	24·217
28956	16	8·905	24·864
28957	14	9·974	24·849
28958	13	22·374	24·618
28959	16	23·859	24·486
28960	18	4·309	25·414
28961	11	6·966	25·440
28962	18	10·531	25·494
28963	11	10·844	25·440
28964	14	12·704	25·977
28965	11	17·292	25·598
28966	17	20·706	25·470
28967	15	22·732	25·533

R. A. 12h 49m

Plate 2214 ; 1903 Mar, 30.

Provisional Constants.

A	B	C
−·00067	−·00482	+·0402
D	**E**	**F**
+·00452	−·00056	−·0708

Mag. = 16·5 − 1·36 $\sqrt{d}$

No.	d	x	y
29001	30	2·718	0·807
29002	20	5·619	0·137
29003	13	12·272	0·384
29004	13	16·170	0·741
29005	13	19·734	0·861
29006	18	25·840	0·972
29007	16	5·706	1·230
29008	20	11·540	1·899
29009	23	13·960	1·575
29010	21	14·091	1·341
29011	10	16·410	1·185
29012	14	17·030	1·671
29913	14	22·840	1·901
29014	28	25·045	1·082
29015	21	2·203	2·827
29016	18	2·905	2·805
29017*	31	3·190	2·832
29018	15	8·147	2·985
29019*	22	9·335	2·807
29020	13	10·350	2·926
29021	15	15·977	2·720
29022	23	24·166	2·887
29023	10	5·411	3·697
29024	10	8·050	3·887
29025	18	8·555	3·335
29026	10	11·962	3·597
29027	13	12·295	3·980
29028*	36	19·308	3·064
29029	21	2·348	4·272
29030	10	6·300	4·400
29031	10	15·220	4·236
29032	14	25·934	4·581
29033	14	4·795	5·144
29034*	30	9·850	5·411
29035	14	18·940	5·021
29036	17	18·950	5·126
29037	19	7·815	6·785
29038	14	13·584	6·880
29039	13	19·282	6·971
29040	19	22·831	6·996
29041	12	24·290	6·933
29042	13	24·828	6·525
29043	12	4·205	7·253
29044	21	12·310	7·996
29045	10	12·825	7·749
29046*	27	25·137	7·827
29047	13	6·572	8·210
29048*	27	12·435	8·860
29049	14	18·410	8·349
29050	14	19·566	8·025
29051*	27	20·980	8·233
29052	21	25·635	8·447
29053	12	6·520	9·076
29054	16	17·435	9·782
29055	10	24·269	9·466
29056	34	0·227	10·695
29057	19	0·896	10·562
29058	19	1·771	10·535
29059	11	2·492	10·526
29060	13	3·792	10·634
29061	10	8·870	10·045
29062	10	10·760	10·972
29063	15	13·173	10·347
29064	14	14·416	10·077
29065	12	16·595	10·836
29066*	22	8·068	11·938
29067	30	1·631	12·746
29068	12	9·294	12·490
29069	13	12·028	12·269
29070	17	12·791	12·680
29071	14	17·614	12·604
29072	11	19·715	12·787
29073*	39	22·233	12·002
29074	15	23·362	12·582
29075	11	9·711	13·945
29076	13	15·375	13·368
29077	21	15·755	13·300
29078	13	20·760	13·935
29079	12	24·945	13·833
29080	12	25·976	13·475
29081	30	0·704	14·970
29082	14	3·405	14·227
29083*	25	13·765	15·803
29084	22	24·975	15·511
29085	14	1·957	16·765
29086	19	6·824	16·492
29087	13	12·074	16·830
29088	13	19·866	16·324
29089	14	20·513	16·417
29090	13	22·284	16·230
29091	17	0·266	17·630
29092	11	9·372	17·398
29093	32	1·033	18·037
29094	13	4·990	18·520
29095	20	12·203	18·706
29096	16	15·440	18·520
29097	11	19·296	18·804
29098	12	21·775	18·470
29099	11	22·255	18·723
29100	21	6·505	19·360
29101	16	8·927	19·494
29102	11	10·159	19·433
29103	10	13·684	19·412
29104	29	15·475	19·488
29105*	27	15·650	19·931
29106	12	17·868	19·575
29107*	33	24·303	19·594
29108	12	25·386	19·950
29109	41	0·091	20·452
29110	16	8·756	20·288
29111*	25	9·705	20·886
29112	20	10·266	20·180
29113	12	16·068	20·240
29114	20	19·616	20·904
29115	16	19·870	20·650
29116	18	22·148	20·952
29117	20	24·925	20·920
29118	22	4·925	22·380
29119	20	12·600	22·046
29120	21	12·695	22·161
29121	10	12·711	22·204
29122	20	16·470	22·595
29123	13	18·088	22·866
29124	10	19·728	22·756
29125	16	23·080	22·170
29126	23	25·535	22·787
29127	21	1·239	23·765
29128	15	4·777	23·334
29129	14	9·565	23·199
29130	9	10·553	23·869
29131	12	18·986	23·366
29132*	23	22·345	23·059
29133	23	0·892	24·470
29134	10	11·440	24·388
29135	10	13·740	24·909
29136	24	15·849	24·354
29137	11	19·380	24·753
29138	10	20·914	24·227
29139	25	22·534	24·100
29140	17	23·678	24·312
29141	14	25·240	24·596
29142	22	25·657	24·260
29143	14	25·944	24·328
29144*	50	5·711	25·224
29145	19	6·609	25·491
29146	16	7·476	25·879
29147	16	8·260	25·447
29148	11	12·965	25·267
29149	10	17·377	25·191
29150	26	24·150	25·788

R. A. 12h 58m

Plate 2277 ; 1903 June 3.

Provisional Constants.

A	B	C
−·00068	+·00572	−·1628
D	**E**	**F**
−·00536	−·00038	−·0343

Mag. = 16·7 − 1·36 $\sqrt{d}$

No.	d	x	y
29201	42	1·478	0·990
29202	22	2·272	0·853
29203	18	7·135	0·680
29204	15	11·305	0·201
29205	13	12·609	0·360
29206	13	19·700	0·111
29207*	18	22·055	0·382
29208*	32	25·553	0·677
29209*	32	25·693	0·961
29210	17	10·514	1·735
29211	16	21·644	1·790
29212	37	0·655	2·821
29213	21	3·326	2·710
29214	14	7·958	2·502
29215*	22	9·321	2·901
29216*	27	10·485	2·364
29217	14	13·423	2·230
29218	12	14·088	2·195
29219	13	10·498	3·500
29220	17	19·660	3·917
29221	12	20·764	3·222
29222	13	2·470	4·460
29223	17	3·668	4·755
29224	16	4·614	4·565
29225	12	5·984	4·341
29226	12	7·626	4·228
29227	14	7·680	4·594
29228	14	8·275	4·047
29229	10	9·410	4·010
29230	19	12·025	4·200
29231	14	12·230	4·441
29232	11	12·764	4·570
29233	15	16·355	4·608

No.	d	x	y
29234	12	17·544	4·610
29235	10	21·860	4·904
29236	14	23·203	4·655
29237	12	23·407	4·130
29238	12	25·220	4·334
29239	14	8·103	5·471
29240	10	11·094	5·635
29241	14	11·160	5·380
29242	16	17·980	5·590
29243	12	19·017	5·755
29244	13	21·226	5·474
29245	10	21·253	5·594
29246	12	22·084	5·875
29247	21	0·901	6·861
29248	16	1·426	6·437
29249	14	10·195	6·187
29250	13	13·296	6·817
29251	14	14·240	6·877
29252	12	23·017	6·054
29253	15	23·780	6·872
29254*	35	1·776	7·727
29255	19	11·369	7·682
29256	21	11·430	7·862
29257	14	11·839	7·470
29258	15	17·565	7·089
29259	20	21·255	7·591
29260	22	2·293	8·333
29261*	30	4·275	8·176
29262	14	4·416	8·525
29263	15	7·355	8·919
29264	22	9·740	8·201
29265	18	10·920	8·149
29266	22	17·540	8·595
29267	15	18·916	8·975
29268	12	24·928	8·340
29269	15	0·956	9·393
29270	13	4·931	9·710
29271	20	15·637	9·215
29272	19	15·664	9·660
29273*	32	16·597	9·961
29274	18	18·500	9·468
29275	17	18·581	9·446
29276	18	19·437	9·472
29277	20	19·926	9·547
29278	9	21·290	9·791
29279	12	3·840	10·099
29280	15	6·330	10·316
29281	14	7·990	10·267
29282*	35	12·546	10·713
29283	12	13·400	10·561
29284	22	17·676	10·905
29285	12	6·565	11·644
29286	18	8·846	11·110
29287	11	10·050	11·449
29288*	50	11·810	11·635
29289	17	12·804	11·850
29290	13	20·663	11·601
29291	30	0·144	12·535
29292*	28	4·222	12·692
29293	14	6·240	12·060
29294	13	10·174	12·986
29295	13	12·890	12·583
29296*	32	16·075	12·924
29297	16	17·164	12·466
29298	14	1·766	13·738
29299	14	2·785	13·348
29300	15	4·216	13·916
29301	12	6·778	13·035
29302*	32	7·955	13·575
29303	11	12·136	13·576
29304	16	14·142	13·172
29305	14	18·215	13·072
29306	16	11·139	14·003
29307	21	14·816	14·553

No.	d	x	y
29308	23	15·891	14·997
29309	14	18·755	14·487
29310	31	1·845	15·414
29311	21	10·240	15·734
29312	18	12·345	15·783
29313	16	14·819	15·310
29314	14	17·859	15·892
29315	15	22·341	15·222
29316	21	25·050	15·229
29317	9	25·768	15·027
29318	20	25·861	15·180
29319	14	4·158	16·792
29320*	63	6·497	16·835
29321	12	6·720	16·260
29322	14	14·770	16·187
29323*	42	15·722	16·403
29324	11	20·100	16·260
29325	24	24·450	16·778
29326	14	9·860	17·073
29327	14	13·017	17·474
29328	10	20·247	17·259
29329	14	24·805	17·484
29330	9	25·182	17·519
29331	14	3·023	18·130
29332	31	3·158	18·373
29333	14	7·355	18·159
29334	9	9·664	18·583
29335	15	11·180	18·710
29336*	50	1·300	19·518
29337	11	2·392	19·837
29338	22	4·875	19·705
29339	19	13·260	19·594
29340	14	14·493	19·806
29341*	43	15·625	19·346
29342	16	20·348	19·498
29343	15	21·000	19·711
29344	19	1·961	20·823
29345	17	2·866	20·815
29346	19	3·181	20·167
29347	12	6·715	20·278
29348	20	9·904	20·872
29349	12	11·018	20·863
29350*	29	12·617	20·324
29351	12	14·150	20·450
29352	13	16·207	20·243
29353	13	18·624	20·088
29354	13	21·423	20·838
29355*	21	23·800	20·572
29356	14	3·410	21·330
29357	20	7·405	21·061
29358	11	9·469	21·075
29359*	22	10·261	21·297
29360*	22	11·184	21·350
29361	8	12·297	21·690
29362	10	14·478	21·656
29363	14	19·306	21·434
29364	12	21·394	21·403
29365	30	0·154	22·130
29366	30	2·625	22·670
29367	20	13·425	22·769
29368	14	16·734	22·830
29369	11	21·885	22·268
29370	10	23·266	22·365
29371	30	9·590	23·929
29372	14	16·633	23·105
29373	14	18·748	23·253
29374	14	21·040	23·330
29375	34	0·819	24·251
29376	33	2·794	24·140
29377	23	3·083	24·198
29378	15	4·495	24·119
29379	15	7·260	24·529
29380	16	11·498	24·323
29381	14	12·638	24·897

No.	d	x	y
29382	14	14·741	24·190
29383	12	15·870	24·291
29384	21	19·385	24·528
29385	20	22·081	24·944
29386	14	24·006	24·080
29387	35	1·240	25·986
29388	48	1·334	25·711
29389	19	5·362	25·773
29390	20	5·429	25·773
29391	22	5·598	25·628
29392	15	8·807	25·114
29393	15	8·977	25·979
29394	14	16·592	25·813
29395	14	17·685	25·747

R. A. 13h 7m

Plate 2253A ; 1903 May 7.

Provisional Constants.

A	B	C
−·00049	−·00561	+·1198
D	E	F
+·00568	−·00087	−·0740

Mag. = 17·1 − 1·36 $\sqrt{d}$

No.	d	x	y
29401*	50	2·445	0·766
29402*	50	4·950	0·005
29403*	35	9·467	0·701
29404	17	10·751	0·711
29405	12	19·320	0·526
29406*	35	20·608	0·239
29407*	50	2·588	1·044
29408	15	4·243	1·835
29409	26	4·306	1·207
29410	14	9·063	1·719
29411	14	12·361	1·046
29412	22	13·380	1·553
29413	13	19·191	1·699
29414	14	21·399	1·924
29415	15	25·026	1·426
29416	19	3·756	2·761
29417	22	4·386	2·733
29418	10	10·047	2·137
29419	15	11·350	2·190
29420	14	11·760	2·340
29421	12	14·343	2·960
29422	13	16·900	2·229
29423	10	21·683	2·270
29424	15	9·761	3·909
29425	11	11·266	3·662
29426	10	13·832	3·540
29427	12	14·148	3·351
29428	22	16·720	3·559
29429	11	18·644	3·730
29430	15	18·787	3·850
29431	14	21·122	3·927
29432	11	21·760	3·092
29433	11	23·314	3·309
29434	26	25·593	3·046
29435	28	0·132	4·759
29436	15	2·149	4·421
29437	12	14·132	4·230

No.	d	x	y
29438	12	17·635	4·961
29439*	34	18·156	4·746
29440	22	18·302	4·991
29441	20	21·257	4·419
29442*	28	22·026	4·522
29443	12	23·484	4·622
29444	14	24·126	4·120
29445	17	5·352	5·678
29446	14	6·846	5·112
29447	18	10·922	5·276
29448*	26	11·821	5·089
29449	12	17·826	5·341
29450*	42	18·196	5·212
29451	10	19·173	5·897
29452	22	24·291	5·636
29453	13	25·300	5·640
29454	22	0·732	6·971
29455	14	5·787	6·686
29456	18	7·871	6·175
29457	15	9·100	6·588
29458	21	12·773	6·436
29459	14	14·819	6·656
29460	14	19·670	6·001
29461	14	24·564	6·595
29462	19	4·492	7·929
29463	13	7·609	7·600
29464	10	9·088	7·560
29465	11	11·089	7·146
29466	16	12·084	7·766
29467	25	13·936	7·992
29468*	39	14·402	7·090
29469	22	16·102	7·589
29470	14	16·497	7·330
29471	18	23·220	7·947
29472	17	1·891	8·427
29473	15	4·806	8·749
29474	20	11·325	8·913
29475	15	16·390	8·916
29476	14	17·851	8·150
29477	11	6·456	9·644
29478	10	8·393	9·511
29479	22	9·493	9·659
29480	18	11·424	9·420
29481	15	14·140	9·142
29482	23	15·570	9·591
29483	15	17·404	9·978
29484	14	17·440	9·939
29485	22	17·807	9·901
29486	18	23·025	9·848
29487	26	3·319	10·521
29488	14	5·711	10·217
29489*	37	6·256	10·294
29490	14	6·439	10·380
29491	14	6·924	10·109
29492	14	6·996	10·083
29493	10	23·499	10·364
29494	22	24·236	10·610
29495	20	25·153	10·180
29496	21	3·839	11·563
29497	22	4·722	11·099
29498	22	12·727	11·319
29499	17	14·910	11·630
29500	14	16·820	11·280
29501*	35	18·330	11·936
29502*	34	7·252	12·586
29503	17	17·247	12·104
29504	14	21·284	12·079
29505	11	23·007	12·830
29506	12	25·025	12·162
29507	27	5·148	13·135
29508	16	11·074	13·300
29509	16	20·592	13·904
29510	9	5·720	14·944
29511	11	5·963	14·075

No.	d	x	y
29512	12	6·750	14·8
29513	22	8·329	14·62
29514	13	9·765	14·86
29515	15	9·834	14·5
29516	22	10·420	14·67
29517	13	13·080	14·22
29518	17	18·220	14·78
29519	35	2·073	15·31
29520	27	2·886	15·2
29521	13	3·483	15·34
29522	23	5·389	15·66
29523	9	5·449	15·24
29524	30	8·960	15·9
29525	14	12·040	15·4
29526	12	25·449	15·5
29527	37	1·490	16·87
29528	15	3·741	16·01
29529	12	6·244	16·6
29530	15	10·264	16·9
29531	16	10·626	16·2
29532	14	21·622	16·5
29533	10	22·436	16·9
29534	13	24·707	16·4
29535	23	1·852	17·57
29536	14	2·230	17·6
29537	9	4·849	17·3
29538	14	6·320	17·4
29539	29	9·847	17·1
29540	15	11·688	17·2
29541*	30	11·716	17·2
29542	22	14·674	17·3
29543	14	19·866	17·5
29544	14	22·969	17·1
29545	20	6·990	18·2
29546	11	11·655	18·0
29547	19	16·663	18·2
29548	11	20·940	18·4
29549	12	21·143	18·3
29550	12	23·066	18·0
29551*	37	24·560	18·2
29552	13	3·399	19·5
29553	15	14·720	19·5
29554	15	14·814	19·5
29555	15	17·844	19·6
29556	12	20·053	19·7
29557*	36	0·871	20·6
29558	22	4·513	20·5
29559	22	5·032	20·5
29560	22	7·029	20·5
29561	22	8·236	20·8
29562	13	10·046	20·2
29563	11	10·687	20·5
29564	12	11·356	20·6
29565	9	13·616	20·3
29566	19	14·246	20·3
29567	10	15·875	20·7
29568	14	16·416	20·0
29569	12	17·759	20·0
29570*	34	19·393	20·2
29571	13	20·949	20·1
29572	17	23·255	20·1
29573	10	6·970	21·9
29574	15	8·570	21·3
29575	9	18·138	21·0
29576	12	19·264	21·7
29577	10	23·672	21·1
29578	33	5·120	22·0
29579	10	8·651	22·4
29580	10	11·430	22·3
29581	22	15·090	22·6
29582	11	16·328	22·2
29583	12	18·590	22·1
29584	17	20·409	22·5
29585	16	24·059	22·8

No.	d	x	y
29586	19	8·248	23·800
29587*	26	8·259	23·779
29588	13	11·976	23·700
29589	9	13·171	23·311
29590	22	13·719	23·777
29591	13	14·638	23·320
29592	19	15·151	23·381
29593	13	15·547	23·472
29594	12	15·751	23·910
29595	17	15·957	23·965
29596	20	16·460	23·038
29597	11	17·499	23·102
29598	16	19·599	23·398
29599	23	1·111	24·178
29600	20	6·266	24·990
29601	16	7·382	24·842
29602	14	10·866	24·499
29603	13	13·818	24·801
29604	12	15·041	24·992
29605	14	18·248	24·318
29606	10	20·398	24·494
29607	17	25·843	24·512
29608	22	4·540	25·092
29609	22	9·017	25·482
29610	12	10·792	25·214
29611	22	13·220	25·252
29612	11	14·556	25·190
29613	14	15·220	25·177
29614	16	17·917	25·408
29615	13	20·639	25·658
29616	25	21·696	25·226
29617*	40	25·285	25·880

R. A. 13^h 16^m

Plate 2255A ; 1903 May 7.

Provisional Constants.

A	B	C
−·00046	−·00098	−·0938
D	**E**	**F**
+·00089	−·00101	−·0322

Mag. = 16·3 − 1·36 $\sqrt{d}$

No.	d	x	y
29701	19	4·350	0·794
29702	12	6·267	0·241
29703	11	6·420	0·007
29704	17	6·429	0·728
29705	11	10·344	0·009
29706	13	18·955	0·857
29707	11	20·394	0·027
29708	10	21·000	0·668
29709	10	22·310	0·243
29710	10	22·434	0·211
29711*	22	23·422	0·960
29712	10	24·731	0·466
29713	12	1·450	1·320
29714	12	2·841	1·207
29715	13	4·621	1·980
29716	13	5·100	1·624
29717	11	6·834	1·130
29718	22	8·625	1·765
29719	11	9·171	1·257
29720	11	13·488	1·244
29721	10	13·859	1·148
29722	10	15·719	1·193
29723	9	21·163	1·187
29724	22	2·057	2·926
29725	12	4·886	2·331
29726	15	4·899	2·299
29727	10	8·711	2·442
29728	10	17·337	2·180
29729	11	19·461	2·283
29730	10	20·115	2·031
29731	13	20·998	2·952
29732	13	4·794	3·418
29733	21	5·455	3·376
29734	11	7·418	3·650
29735	13	9·620	3·850
29736	10	12·655	3·719
29737	10	12·947	3·669
29738	11	13·350	3·131
29739	10	14·299	3·387
29740	10	14·400	3·298
29741	10	15·375	3·237
29742	10	15·758	3·693
29743	10	20·537	3·242
29744	15	20·959	3·349
29745*	22	22·640	3·645
29746	12	0·615	4·036
29747	10	18·448	4·590
29748	13	19·640	4·275
29749	10	21·450	4·757
29750	10	24·230	4·550
29751	19	0·821	5·549
29752	12	1·830	5·527
29753	13	7·894	5·417
29754	11	10·031	5·392
29755	10	13·610	5·159
29756	10	14·973	5·049
29757	11	15·818	5·704
29758	10	23·314	5·743
29759	10	24·970	5·893
29760	12	1·115	6·501
29761	10	3·380	6·130
29762	10	3·655	6·330
29763	11	3·831	6·131
29764	12	4·729	6·916
29765	13	12·700	6·590
29766	10	12·985	6·130
29767	13	14·985	6·084
29768*	22	17·655	6·449
29769	10	19·066	6·272
29770	10	19·601	6·981
29771	13	20·055	6·669
29772	12	20·443	6·106
29773	22	21·953	6·211
29774	10	22·111	6·176
29775	12	23·214	6·832
29776	14	24·421	6·690
29777	11	24·470	6·464
29778	13	25·944	6·430
29779	12	7·027	7·687
29780	13	8·462	7·617
29781	11	13·458	7·640
29782	10	15·380	7·707
29783	11	22·288	7·489
29784	10	22·507	7·016
29785	11	25·039	7·837
29786	13	5·430	8·230
29787	13	5·927	8·911
29788	12	7·955	8·361
29789	13	8·875	8·355
29790	11	13·185	8·930
29791	10	22·176	8·887
29792	13	25·530	8·602
29793	10	6·710	9·060
29794	10	12·868	9·714
29795	13	13·137	9·800
29796	10	13·441	9·591
29797	13	15·710	9·385
29798	10	18·501	9·141
29799	10	21·738	9·300
29800	14	24·319	9·864
29801	11	0·144	10·294
29802	15	0·888	10·520
29803	12	1·794	10·069
29804	11	3·040	10·889
29805	12	3·466	10·014
29806	22	4·387	10·904
29807	11	6·201	10·374
29808	12	15·267	10·464
29809*	47	16·950	10·774
29810	10	19·215	10·150
29811	11	19·981	10·055
29812	12	20·266	10·724
29813	10	22·789	10·160
29814	12	25·704	10·975
29815	11	3·755	11·422
29816	10	4·870	11·143
29817	12	5·371	11·754
29818	10	5·705	11·701
29819	22	9·456	11·966
29820	13	16·820	11·424
29821	11	19·514	11·226
29822	10	21·775	11·378
29823	12	22·572	11·404
29824	13	23·566	11·940
29825	23	23·789	11·899
29826	11	25·787	11·715
29827	11	1·715	12·054
29828	10	3·875	12·234
29829	10	5·345	12·331
29830	20	8·067	12·397
29831	12	8·294	12·171
29832	10	8·502	12·339
29833	10	10·276	12·272
29834	10	15·874	12·777
29835	23	20·561	12·732
29836	13	24·184	12·937
29837	13	25·305	12·614
29838	11	25·942	12·624
29839	13	3·776	13·787
29840	11	4·650	13·831
29841	13	9·770	13·008
29842	10	9·957	13·365
29843	13	13·261	13·082
29844*	33	15·408	13·519
29845	22	17·746	13·444
29846	14	17·777	13·414
29847	10	19·875	13·851
29848*	32	20·070	13·750
29849*	27	22·596	13·930
29850	11	25·466	13·540
29851	13	25·657	13·304
29852	12	2·844	14·532
29853	11	3·711	14·150
29854*	43	4·324	14·677
29855	13	12·221	14·086
29856	10	13·345	14·269
29857	10	14·896	14·112
29858	10	20·296	14·214
29859	10	24·339	14·970
29860	21	24·855	14·222
29861	10	2·225	15·477
29862	10	4·046	15·000
29863	15	4·297	15·461
29864	11	5·766	15·825
29865	13	8·587	15·695
29866	10	11·317	15·951
29867	11	11·392	15·800
29868	11	14·312	15·836
29869	11	14·981	15·966
29870	12	1·503	16·327
29871	10	1·796	16·730
29872	10	3·284	16·819
29873	12	9·230	16·587
29874	14	12·851	16·164
29875	10	15·294	16·500
29876	10	17·744	16·221
29877	11	17·833	16·052
29878	11	18·845	16·580
29879	12	19·069	16·840
29880	10	21·401	16·766
29881*	28	24·051	16·089
29882	10	24·300	16·562
29883	20	7·677	17·035
29884	10	8·785	17·677
29885	10	9·158	17·400
29886	10	11·025	17·755
29887	12	18·425	17·675
29888	10	18·820	17·757
29889	13	19·107	17·556
29890	11	20·587	17·733
29891	16	20·910	17·560
29892	13	21·684	17·841
29893	10	22·501	17·034
29894	10	25·130	17·697
29895*	32	1·401	18·104
29896	10	3·635	18·451
29897	13	4·730	18·215
29898	10	6·310	18·381
29899	10	8·330	18·433
29900	10	11·468	18·651
29901	10	13·514	18·219
29902	10	17·557	18·407
29903	23	18·572	18·629
29904	11	19·931	18·036
29905	13	24·724	18·937
29906	12	6·270	19·980
29907	10	7·339	19·889
29908	10	8·214	19·263
29909	31	16·194	19·976
29910	13	16·350	19·140
29911	10	17·400	19·250
29912	20	20·250	19·930
29913	13	20·960	19·377
29914	10	25·735	19·778
29915	10	3·204	20·342
29916	12	3·727	20·552
29917*	27	3·726	20·244
29918	10	8·327	20·058
29919	10	8·797	20·845
29920	10	11·592	20·372
29921	10	12·651	20·595
29922	10	15·039	20·336
29923	10	15·331	20·750
29924	10	18·399	20·769
29925	11	20·572	20·482
29926	13	20·607	20·027
29927	12	25·827	20·819
29928	12	0·585	21·040
29929	11	4·994	21·913
29930	13	6·950	21·408
29931	10	7·695	21·959
29932	13	11·126	21·307
29933	10	13·355	21·174
29934	13	15·383	21·781
29935	10	19·937	21·064
29936	11	20·207	21·000
29937	13	24·542	21·287
29938	13	1·010	22·747
29939	11	9·163	22·089
29940	22	12·324	22·966
29941	10	13·032	22·028
29942	11	13·039	22·860
29943	10	13·138	22·765
29944	22	16·842	22·106
29945	10	17·790	22·553
29946	10	18·250	22·155
29947	10	18·788	22·942
29948	10	21·201	22·390
29949	19	3·443	23·011
29950	10	9·736	23·754
29951	10	15·327	23·589
29952	11	16·044	23·439
29953	10	16·535	23·490
29954	10	18·885	23·899
29955	13	2·838	24·379
29956	10	17·601	24·654
29957	10	18·732	24·644
29958	10	19·631	24·468
29959	14	25·317	24·594
29960	12	25·325	24·315
29961	15	25·661	24·175
29962*	45	2·313	25·759
29963	20	3·938	25·927
29964	11	6·061	25·554
29965	12	7·394	25·856
29966	10	7·754	25·998
29967	12	7·921	25·924
29968	11	8·064	25·090
29969	18	9·492	25·046
29970	11	11·451	25·726
29971	13	13·334	25·055
29972	13	15·181	25·991
29973	21	21·989	25·280
29974	13	22·254	25·286
29975	24	25·181	25·257

R. A. 13^h 25^m

Plate 2271 ; 1903 May 20.

Provisional Constants.

A	B	C
−·00016	−·00089	−·0342
D	**E**	**F**
+·00109	−·00054	−·0200

Mag. = 16·0 − 1·36 $\sqrt{d}$

No.	d	x	y
30001*	40	0·111	0·973
30002	25	3·274	0·299
30003	16	3·910	0·626
30004*	12	13·907	0·582
30005	12	15·186	0·342
30006	11	18·213	0·415
30007	10	18·937	0·197
30008	12	21·150	0·602
30009	16	8·517	1·817
30010	21	12·060	1·392
30011	12	14·755	1·410
30012	16	17·640	1·540
30013	18	18·210	1·420
30014	11	19·628	1·480
30015	15	9·590	2·725
30016	17	11·620	2·122

No.	d	x	y
30017	9	12·496	2·387
30018	20	12·625	2·450
30019*	21	17·336	2·086
30020	10	21·836	2·742
30021	16	23·380	2·585
30022	17	2·990	3·687
30023	20	4·017	3·979
30024	16	5·151	3·927
30025	10	11·772	3·727
30026	10	12·835	3·843
30027	10	17·979	3·333
30028	11	18·357	3·996
30029	12	22·815	3·814
30030	12	23·199	3·033
30031	10	23·687	3·857
30032	10	25·095	3·666
30033	14	5·690	4·143
30034	10	6·824	4·496
30035*	21	14·046	4·240
30036	15	17·646	4·684
30037*	30	18·432	4·770
30038	12	19·903	4·007
30039	10	20·495	4·244
30040	8	23·051	4·829
30041*	32	23·190	4·039
30042	11	7·988	5·978
30043	12	11·063	5·520
30044	10	13·605	5·301
30045	11	15·628	5·299
30046	9	20·720	5·296
30047	11	20·906	5·170
30048	20	21·093	5·003
30049*	25	22·414	5·074
30050	22	0·017	6·850
30051	27	1·225	6·686
30052	16	1·266	6·456
30053	14	2·742	6·396
30054	12	4·441	6·140
30055	12	14·690	6·509
30056	8	18·145	6·911
30057	14	18·996	6·682
30058	9	20·874	6·560
30059	14	9·540	7·820
30060	9	18·899	7·882
30061	9	25·634	7·684
30062	14	2·371	8·575
30063	14	4·763	8·130
30064	8	7·086	8·276
30065	12	9·178	8·801
30066	10	9·717	8·159
30067	10	11·148	8·872
30068	11	11·395	8·075
30069	12	12·011	8·499
30070	16	13·599	8·937
30071	12	17·026	8·269
30072	10	19·330	8·832
30073	20	21·181	8·402
30074*	23	21·569	8·037
30075	27	1·186	9·860
30076	12	3·664	9·604
30077	10	7·037	9·746
30078	10	7·822	9·451
30079	10	9·580	9·462
30080*	22	19·600	9·599
30081	10	21·991	9·955
30082	15	22·677	9·810
30083	8	22·771	9·454
30084*	28	23·046	9·073
30085	9	2·594	10·942
30086	19	9·450	10·141
30087	16	13·735	10·637
30088	16	17·098	10·535
30089	13	20·330	10·870
30090	9	22·465	10·720
30091	14	23·790	10·276
30092	22	0·479	11·952
30093	40	0·700	11·909
30094	25	14·009	11·758
30095	13	19·058	11·505
30096*	23	21·137	11·049
30097	10	21·652	11·270
30098*	23	25·774	11·054
30099	17	1·111	12·935
30100	12	2·230	12·591
30101	11	2·866	12·588
30102	10	3·624	12·879
30103	20	5·044	12·611
30104	10	6·766	12·310
30105	20	8·925	12·077
30106	14	11·296	12·877
30107*	30	19·984	12·871
30108	14	20·117	12·706
30109	11	20·506	12·140
30110	10	21·044	12·480
30111	12	21·355	12·885
30112	10	23·164	12·151
30113	12	2·595	13·275
30114	10	8·045	13·451
30115*	40	11·121	13·922
30116	13	12·125	13·746
30117	16	12·785	13·300
30118*	22	16·240	13·687
30119	14	16·655	13·872
30120	9	20·336	13·528
30121	10	24·093	13·614
30122*	20	25·201	13·084
30123	25	1·814	14·208
30124	10	7·600	14·510
30125	10	8·315	14·680
30126	12	10·158	14·686
30127	10	10·859	14·972
30128	12	12·955	14·223
30129	11	20·146	14·454
30130*	45	3·924	15·670
30131*	25	16·382	15·479
30132	11	20·220	15·864
30133	10	21·400	15·208
30134*	23	24·915	15·949
30135*	42	1·044	16·092
30136	10	7·886	16·667
30137	21	12·435	16·237
30138	10	13·848	16·510
30139*	20	19·000	16·092
30140	16	20·084	16·546
30141	9	20·736	16·954
30142*	40	21·134	16·170
30143	11	22·817	16·275
30144	10	24·668	16·215
30145	9	24·672	16·177
30146	9	5·230	17·555
30147*	23	5·312	17·286
30148	10	10·724	17·076
30149	14	20·349	17·740
30150	22	20·461	17·016
30151	10	25·680	17·805
30152	14	1·776	18·925
30153	13	3·527	18·618
30154	12	5·715	18·184
30155	16	12·609	18·827
30156	16	24·419	18·998
30157*	20	3·786	19·347
30158	12	6·798	19·955
30159	12	12·847	19·505
30160	10	18·959	19·440
30161	9	23·297	19·290
30162	10	23·816	19·535
30163	12	2·918	20·784
30164*	42	9·601	20·994
30165	12	11·826	20·140
30166*	30	11·836	20·067
30167	11	14·570	20·224
30168	16	19·036	20·786
30169	18	19·650	20·986
30170	14	1·638	21·277
30171	17	7·522	21·347
30172	13	10·394	21·499
30173	8	13·350	21·046
30174	12	16·996	21·040
30175	20	18·986	21·916
30176	11	19·810	21·055
30177	9	20·598	21·116
30178	12	23·799	21·751
30179	8	12·560	22·570
30180	10	16·030	22·215
30181	12	22·090	22·537
30182	12	25·505	22·248
30183	13	10·775	23·566
30184	9	11·985	23·704
30185	10	15·467	23·014
30186	10	16·172	23·124
30187	20	25·035	23·620
30188	12	25·491	23·397
30189	14	2·814	24·142
30190	14	6·264	24·759
30191	10	6·687	24·140
30192	11	11·352	24·962
30193	10	11·864	24·013
30194	9	11·986	24·750
30195	16	13·462	24·847
30196	10	22·399	24·289
30197	10	22·632	24·372
30198	32	2·359	25·235
30199	15	10·756	25·336
30200*	27	12·685	25·495
30201	10	14·561	25·929
30202	17	15·555	25·390
30203	13	17·900	25·281
30204	10	18·323	25·112
30205	12	19·717	25·601
30206	16	22·604	25·813
30207*	29	23·945	25·823
30208	25	25·378	25·855

R. A. 13h 34m

Plate 2244; 1903 Apr. 22.

Provisional Constants.

A	B	C
−·00079	−·01057	+·1353

D	E	F
+·01047	−·00048	−·0846

Mag. = 17·2 − 1·36$\sqrt{d}$

No.	d	x	y
30301	10	4·626	0·835
30302	12	13·782	0·592
30303	10	19·006	0·633
30304	9	20·359	0·258
30305	8	21·780	0·063
30306	9	25·761	0·935
30307	16	5·161	1·806
30308	20	11·083	1·736
30309	10	11·284	1·635
30310*	31	12·277	1·050
30311	18	13·227	1·730
30312	8	16·646	1·904
30313	13	18·527	1·305
30314	12	23·245	1·789
30315	8	23·994	1·670
30316*	34	25·644	1·352
30317	35	0·166	2·524
30318*	30	6·239	2·598
30319	10	12·368	2·954
30320	20	13·475	2·350
30321	20	25·611	2·200
30322*	29	9·095	3·601
30323	11	20·651	3·114
30324*	27	20·808	3·128
30325	9	21·137	3·926
30326	18	21·448	3·708
30327	21	22·775	3·774
30328	10	24·643	3·993
30329*	41	24·715	3·426
30330	10	3·534	4·441
30331	10	5·905	4·044
30332*	39	7·019	4·413
30333	25	8·671	4·380
30334	24	12·644	4·097
30335	9	16·750	4·009
30336	8	21·180	4·005
30337	15	9·064	5·945
30338	7	12·113	5·575
30339	8	15·357	5·435
30340	18	15·881	5·320
30341	9	17·977	5·893
30342	20	4·229	6·515
30343	9	4·435	6·451
30344	11	6·662	6·244
30345	9	9·740	6·341
30346	9	14·957	6·568
30347	18	18·933	6·088
30348	8	22·882	6·573
30349	10	22·900	6·791
30350	9	2·477	7·598
30351	24	10·652	7·513
30352*	30	14·621	7·539
30353	24	16·403	7·879
30354*	29	16·686	7·638
30355	8	21·643	7·792
30356*	43	3·842	8·857
30357	19	7·803	8·364
30358*	35	9·506	8·141
30359	23	9·566	8·166
30360	9	15·730	8·771
30361	8	16·747	8·489
30362	10	20·043	8·865
30363	7	20·874	8·775
30364	24	25·313	8·446
30365	10	4·428	9·346
30366	11	6·275	9·303
30367	8	8·868	9·663
30368	8	10·610	9·414
30369	10	10·884	9·475
30370	13	12·222	9·671
30371	26	15·446	9·084
30372*	20	17·844	9·256
30373	10	20·803	9·950
30374*	19	23·188	9·015
30375	7	23·265	9·283
30376	27	0·663	10·211
30377*	38	2·655	10·964
30378	10	8·073	10·334
30379	8	12·163	10·559
30380	13	14·640	10·226
30381*	20	14·991	10·814
30382	22	21·371	10·28
30383	21	11·411	11·73
30384	9	16·088	11·93
30385	20	16·148	11·93
30386	10	17·150	11·18
30387	20	23·873	11·10
30388	15	0·051	12·09
30389	11	3·678	12·21
30390	10	5·346	12·41
30391	24	6·773	12·64
30392	6	13·106	12·25
30393	10	13·185	12·16
30394*	30	17·646	12·91
30395	8	21·018	12·90
30396	15	21·054	12·84
30397	10	1·000	13·54
30398*	29	2·103	13·00
30399	18	3·371	13·75
30400	23	3·378	13·58
30401	19	5·714	13·42
30402	7	6·874	13·18
30403	24	6·888	13·23
30404	9	9·604	13·45
30405	11	11·435	13·91
30406	8	13·834	13·89
30407	9	14·951	13·87
30408	17	18·700	13·70
30409	18	20·515	13·57
30410	23	20·632	13·82
30411	10	23·627	13·17
30412	17	3·316	14·41
30413	33	3·922	14·45
30414	9	6·541	14·27
30415	22	12·527	14·28
30416	8	13·617	14·31
30417	10	20·715	14·0
30418	24	21·456	14·27
30419	8	24·671	14·45
30420*	40	1·849	15·86
30421	8	2·949	15·71
30422	29	3·983	15·92
30423	12	4·508	15·67
30424	8	10·133	15·78
30425	15	12·869	15·76
30426	20	13·161	15·84
30427	31	16·727	15·49
30428	10	18·714	15·14
30429	19	1·604	16·13
30430	20	12·313	16·59
30431	7	12·905	16·35
30432	10	14·471	16·94
30433	10	14·584	16·88
30434	10	19·184	16·62
30435	9	22·308	16·88
30436	12	23·441	16·28
30437	7	2·631	17·71
30438	9	6·401	17·03
30439	8	13·957	17·83
30440	10	20·997	17·89
30441	6	22·406	17·48
30442	27	1·384	18·92
30443	24	3·574	18·21
30444	21	4·484	18·84
30445	10	14·373	18·34
30446	20	22·523	18·70
30447	9	23·261	18·51
30448	13	25·649	18·27
30449	13	5·379	19·62
30450*	28	6·909	19·2
30451	20	8·351	19·26
30452*	63	17·294	19·29
30453	10	18·180	19·59
30454	10	19·574	19·94
30455	10	23·207	19·21

30456	20	12·490	20·022
30457*	41	14·341	20·390
30458	22	14·670	20·715
30459	8	14·780	20·811
30460	10	19·992	20·255
30461	23	25·781	20·390
30462	23	0·791	21·684
30463	15	7·624	21·477
30464	13	9·524	21·774
30465	6	10·368	21·190
30466	18	11·393	21·481
30467	20	13·198	21·985
30468	10	20·656	21·226
30469*	42	3·343	22·514
30470	24	6·572	22·921
30471	14	6·964	22·019
30472	21	14·154	22·426
30473	35	2·051	23·537
30474	7	2·129	23·614
30475	9	2·506	23·307
30476	26	15·769	23·112
30477	10	16·914	23·246
30478	10	22·155	23·886
30479	10	13·457	24·433
30480	7	17·168	24·447
30481*	57	0·984	25·754
30482	37	2·415	25·767
30483	9	5·157	25·864
30484	17	13·200	25·746
30485	17	17·438	25·166
30486	12	18·222	25·806
30487	8	20·635	25·656
30488	23	22·684	25·109
30489	9	23·490	25·168
30490	20	23·879	25·362
30491	8	25·809	25·147

R. A. 13h 43m

Plate 2245; 1903 Apr. 22.

Provisional Constants.

A	B	C
−·00055	−·00435	+·2475
D	**E**	**F**
+·00453	−·00036	−·0822

Mag. = 16·4 − 1·36$\sqrt{d}$

No.	d	x	y
30501	12	7·371	0·471
30502	22	9·607	0·881
30503	16	10·034	0·727
30504	11	16·423	0·110
30505	12	19·020	0·007
30506	21	20·985	0·141
30507	13	21·650	0·944
30508	14	23·100	0·322
30509	26	2·386	1·935
30510*	37	2·397	1·084
30511	13	8·197	1·650
30512	11	8·220	1·777
30513	9	10·796	1·572
30514	11	18·889	1·471
30515	25	20·976	1·199

30516*	27	23·122	1·990
30517	20	23·784	1·190
30518	25	24·533	1·429
30519	9	11·814	2·990
30520	19	23·863	2·438
30521	26	25·724	2·980
30522*	45	1·520	3·181
30523	11	8·693	3·297
30524	12	18·071	3·876
30525	9	20·806	3·716
30526	12	23·291	3·481
30527	13	5·809	4·348
30528	12	7·097	4·480
30529	22	9·353	4·555
30530	11	12·194	4·520
30531	21	12·524	4·434
30532	11	16·018	4·068
30533	13	16·207	4·294
30534	22	18·170	4·240
30535*	31	22·838	4·566
30536	21	24·104	4·507
30537	14	11·440	5·263
30538	10	12·585	5·602
30539	14	14·150	5·231
30540	12	15·377	5·475
30541*	40	15·796	5·301
30542	11	20·294	5·981
30543	15	4·406	6·806
30544	11	4·644	6·484
30545	22	5·270	6·943
30546	12	5·914	6·845
30547	10	6·254	6·030
30548	11	10·272	6·054
30549*	19	12·599	6·070
30550	14	15·924	6·733
30551	14	18·655	6·878
30552	12	19·194	6·703
30553	11	20·474	6·515
30554	12	21·325	6·183
30555	10	21·558	6·246
30556	13	22·255	6·182
30557	22	3·982	7·120
30558	10	7·600	7·323
30559	15	12·606	7·579
30560	22	17·331	7·558
30561	15	18·312	7·619
30562	11	20·545	7·142
30563	10	21·566	7·448
30564	13	22·526	7·494
30565*	31	23·886	7·097
30566	27	0·142	8·809
30567	28	2·250	8·182
30568	12	3·294	8·577
30569	10	9·481	8·562
30570	11	9·767	8·825
30571	10	11·841	8·541
30572	22	12·766	8·957
30573	10	12·995	8·933
30574	11	13·685	8·820
30575	18	25·247	8·156
30576	14	7·900	9·354
30577	9	8·499	9·507
30578	11	9·037	9·180
30579	13	11·175	9·541
30580	13	23·767	9·330
30581*	26	25·146	9·117
30582	18	25·445	9·383
30583	25	0·877	10·880
30584	26	4·171	10·934
30585	18	5·151	10·152
30586	12	6·662	10·151
30587	15	8·070	10·590
30588	10	8·510	10·569
30589*	19	16·170	10·464
30590	19	24·630	10·664
30591	22	4·763	11·582
30592	12	8·926	11·058
30593	9	9·908	11·105
30594	12	10·190	11·356
30595	12	11·426	11·200
30596	12	18·362	11·436
30597	28	18·540	11·295
30598	18	20·100	11·274
30599	14	24·496	11·124
30600	14	25·060	11·979
30601	14	25·952	11·946
30602	15	0·690	12·956
30603	31	5·006	12·733
30604*	33	9·957	12·495
30605	10	11·755	12·710
30606	12	14·443	12·126
30607	17	6·470	13·420
30608	9	7·497	13·010
30609	10	10·067	13·509
30610	10	19·172	13·254
30611	10	19·568	13·519
30612	12	21·243	13·074
30613	13	22·140	13·061
30614	15	1·768	14·211
30615	21	3·670	14·434
30616	10	4·409	14·637
30617	10	4·542	14·867
30618	15	4·831	14·843
30619	26	5·349	14·799
30620	14	6·700	14·815
30621*	26	8·448	14·274
30622	12	9·103	14·916
30623	19	14·622	14·042
30624	22	4·305	15·660
30625	11	6·007	15·891
30626	12	10·295	15·973
30627	10	11·684	15·216
30628*	26	14·295	15·244
30629	22	14·727	15·670
30630	21	15·080	15·958
30631	18	15·384	15·555
30632	14	17·527	15·017
30633*	40	18·249	15·615
30634	21	18·921	15·087
30635	12	22·701	15·752
30636	11	23·769	15·074
30637	18	0·584	16·070
30638	10	5·965	16·245
30639	22	6·490	16·780
30640	13	8·855	16·700
30641	10	10·062	16·829
30642	22	13·284	16·076
30643	14	16·252	16·141
30644	10	16·523	16·006
30645	12	19·800	16·073
30646	10	20·130	16·650
30647	10	23·085	16·541
30648	10	23·100	16·954
30649	10	6·130	17·813
30650	10	6·633	17·858
30651*	53	9·915	17·762
30652	22	13·585	17·314
30653	20	18·557	17·957
30654	9	19·259	17·754
30655	10	25·030	17·041
30656	15	2·845	18·001
30657	21	5·864	18·566
30658	24	6·257	18·306
30659	20	8·411	18·705
30660	10	9·044	18·460
30661	10	10·080	18·616
30662	20	11·048	18·339
30663	10	11·309	18·587
30664	13	15·557	18·801
30665	20	17·554	18·175
30666	14	17·564	18·163
30667	22	23·903	18·533
30668*	28	25·319	18·120
30669	13	6·550	19·656
30670*	32	9·437	19·616
30671	10	9·815	19·984
30672	21	9·886	19·752
30673	13	14·470	19·577
30674	22	22·571	19·609
30675	13	23·092	19·286
30676	26	3·031	20·112
30677	15	3·590	20·126
30678	11	13·396	20·909
30679	10	21·879	20·532
30680	12	23·412	20·064
30681	12	6·939	21·952
30682	11	8·593	21·947
30683	10	13·030	21·411
30684	12	14·120	21·850
30685*	60	16·044	21·230
30686	10	17·244	21·279
30687*	22	19·820	21·771
30688	18	22·310	21·642
30689	12	24·395	21·204
30690	28	3·744	22·128
30691	13	8·038	22·786
30692	10	12·482	22·693
30693	11	12·986	22·140
30694	9	15·230	22·299
30695	10	17·931	22·562
30696	12	18·765	22·716
30697	11	19·123	22·850
30698	10	23·644	22·590
30699	13	11·465	23·086
30700*	48	15·251	23·773
30701	10	18·070	23·426
30702	11	20·077	23·070
30703	12	24·086	23·287
30704*	24	24·867	23·918
30705	30	0·060	24·909
30706	23	4·729	24·244
30707	13	6·966	24·530
30708*	35	7·541	24·875
30709	13	9·813	24·016
30710	20	10·959	24·999
30711*	35	14·310	24·258
30712	11	16·656	24·704
30713	12	17·855	24·875
30714	11	21·005	24·970
30715	16	22·707	24·877
30716	26	1·260	25·130
30717*	33	3·924	25·641
30718	10	9·979	25·710
30719	19	11·624	25·646
30720	15	14·562	25·330
30721	16	21·075	25·514
30722	14	21·160	25·514

R. A. 13h 52m

Plate 2278; 1903 June 3.

Provisional Constants.

A	B	C
−·00065	−·00075	−·1086
D	**E**	**F**
+·00066	−·00031	+·0111

Mag. = 16·5 − 1·36$\sqrt{d}$

No.	d	x	y
30801	11	4·214	0·682
30802	13	5·200	0·871
30803	11	19·504	0·582
30804	10	20·158	0·207
30805	11	22·093	0·746
30806	13	23·375	0·696
30807	22	0·058	1·197
30808	31	0·814	1·419
30809	22	3·539	1·224
30810	10	15·711	1·368
30811	10	16·195	1·942
30812	13	19·906	1·283
30813	20	21·041	1·541
30814*	23	21·975	1·870
30815	12	22·451	1·768
30816	16	0·170	2·445
30817	22	2·042	2·940
30818	14	6·498	2·669
30819	12	8·095	2·247
30820	10	13·790	2·406
30821	10	16·015	2·914
30822	13	17·268	2·801
30823*	33	15·132	3·255
30824	25	17·236	3·613
30825	12	18·556	3·429
30826*	22	19·450	3·780
30827	12	20·448	3·818
30828	9	21·656	3·588
30829	10	22·040	3·173
30830	20	0·458	4·505
30831	10	5·526	4·990
30832	10	8·134	4·938
30833	11	10·944	4·560
30834	11	10·969	4·604
30835	10	4·006	5·722
30836	21	4·368	5·229
30837	11	5·720	5·601
30838*	53	7·507	5·910
30839	10	7·808	5·773
30840	10	13·556	5·016
30841	11	13·771	5·434
30842	23	15·655	5·179
30843	13	2·721	6·492
30844	13	6·512	6·269
30845	10	7·641	6·850
30846	10	8·827	6·376
30847	20	16·522	6·405
30848	21	17·948	6·641
30849	13	18·162	6·870
30850*	30	0·301	7·100
30851	18	7·010	7·529
30852	13	7·312	7·511
30853	10	8·655	7·749
30854	22	10·249	7·811
30855*	22	14·167	7·030
30856	10	17·276	7·722

No.	d	x	y
30857	11	19·426	7·047
30858	10	20·229	7·842
30859	14	20·238	7·573
30860	13	24·415	7·361
30861	12	1·686	8·130
30862	10	3·900	8·039
30863	10	4·537	8·000
30864	12	11·614	8·842
30865	22	13·676	8·300
30866	22	16·110	8·696
30867	12	0·236	9·334
30868*	23	1·610	9·090
30869	13	1·917	9·349
30870	12	5·614	9·000
30871*	37	7·975	9·382
30872*	32	13·387	9·000
30873	11	17·144	9·829
30874	10	22·715	9·411
30875	12	1·132	10·651
30876	11	3·512	10·414
30877	11	6·805	10·299
30878*	39	13·570	10·368
30879	11	18·483	10·818
30880	12	25·246	10·580
30881	12	1·006	11·115
30882	12	1·593	11·952
30883	12	2·484	11·900
30884	10	5·935	11·334
30885	13	8·850	11·290
30886*	40	12·240	11·283
30887	12	12·300	11·493
30888	13	17·893	11·170
30889	22	20·913	11·651
30890	23	2·980	12·984
30891	10	4·303	12·975
30892	10	6·080	12·743
30893	12	7·500	12·130
30894	12	7·750	12·179
30895	11	9·487	12·458
30896	10	18·077	12·783
30897	14	18·373	12·479
30898	10	21·334	12·976
30899	26	25·624	12·496
30900	12	2·668	13·724
30901	11	3·964	13·208
30902	11	5·324	13·142
30903	11	12·840	13·251
30904	10	15·157	13·719
30905	10	21·781	13·100
30906	13	23·355	13·764
30907	10	23·629	13·942
30908	25	16·272	14·025
30909	11	17·891	14·850
30910	10	20·409	14·877
30911	22	22·743	14·333
30912	11	23·801	14·668
30913	10	24·752	14·879
30914	10	25·130	14·274
30915	11	0·374	15·080
30916	12	6·028	15·380
30917	10	8·185	15·267
30918	13	15·337	15·216
30919	23	16·027	15·872
30920	14	19·951	15·988
30921*	22	20·270	15·248
30922	14	20·542	15·427
30923	10	22·211	15·370
30924*	34	24·643	15·128
30925	22	3·374	16·309
30926	12	6·029	16·785
30927	10	7·544	16·342
30928	13	11·970	16·929
30929	10	12·291	16·779
30930	22	13·025	16·931
30931	11	19·710	16·778
30932	10	24·029	16·935
30933	11	24·499	16·160
30934	13	4·237	17·055
30935*	20	6·611	17·563
30936	10	7·320	17·613
30937	10	18·539	17·285
30938	10	24·133	17·606
30939	15	0·591	18·534
30940*	25	1·996	18·089
30941	11	4·160	18·887
30942	10	4·228	18·983
30943	12	5·068	18·120
30944	10	5·684	18·958
30945	10	10·171	18·020
30946	11	10·496	18·248
30947	21	15·000	18·899
30948	13	16·626	18·609
30949	13	17·170	18·745
30950	13	18·274	18·131
30951	20	21·033	18·340
30952	23	22·567	18·249
30953	12	23·989	18·047
30954	14	8·210	19·272
30955	21	10·929	19·235
30956	10	12·732	19·328
30957	22	13·466	19·100
30958	10	17·236	19·131
30959	10	0·138	20·076
30960	11	5·093	20·140
30961	18	21·608	20·328
30962	12	23·307	20·638
30963	15	24·025	20·086
30964	23	24·498	20·434
30965	10	1·145	21·193
30966	11	6·355	21·595
30967	11	6·390	21·462
30968	22	8·060	21·139
30969	20	8·734	21·617
30970	13	10·123	21·112
30971	10	10·600	21·674
30972	10	11·593	21·957
30973	12	13·652	21·493
30974	21	18·975	21·384
30975	12	19·917	21·647
30976	10	23·372	21·776
30977	10	4·611	22·642
30978	13	5·195	22·649
30979	11	6·298	22·450
30980	11	7·701	22·514
30981	13	7·861	22·375
30982	20	9·255	22·789
30983	13	13·681	22·782
30984	10	16·874	22·117
30985	13	19·367	22·744
30986	13	0·885	23·284
30987*	19	1·681	23·895
30988	25	3·855	23·657
30989	10	10·205	23·222
30990	10	11·792	23·964
30991	10	15·684	23·767
30992	10	16·357	23·130
30993	12	18·637	23·908
30994	22	22·925	23·596
30995	13	9·845	24·370
30996*	22	10·132	24·130
30997	10	10·350	24·166
30998	10	11·058	24·137
30999	13	21·638	24·499
31000	31	6·060	25·077
31001	11	7·961	25·857
31002	10	10·755	25·882
31003*	22	16·725	25·299
31004*	55	25·421	25·668

R. A. 14h 1m

Plate 2232; 1903 Apr. 18.

Provisional Constants.

A	B	C
−·00051	+·00221	−·1997
D	**E**	**F**
−·00171	−·00055	+·0389

Mag. = 16·5 − 1·36 $\sqrt{d}$

No.	d	x	y
31101	14	5·520	0·938
31102	13	10·984	0·085
31103	17	21·423	0·544
31104	17	23·842	0·296
31105	18	25·359	0·703
31106	17	3·220	1·550
31107	22	6·795	1·988
31108	11	9·344	1·216
31109*	27	12·952	1·470
31110	11	19·958	1·718
31111	11	20·324	1·574
31112	12	5·176	2·290
31113	24	13·938	2·388
31114	12	14·025	2·868
31115	11	16·168	2·880
31116	11	17·880	2·861
31117	16	25·917	2·208
31118	11	10·949	3·762
31119	12	11·457	3·296
31120	10	11·617	3·028
31121	15	13·126	3·222
31122	14	24·380	3·507
31123	13	7·060	4·830
31124	11	8·455	4·236
31125	11	8·890	4·620
31126	12	10·084	4·569
31127	9	11·172	4·635
31128	13	21·106	4·017
31129	18	24·430	4·270
31130	11	25·764	4·836
31131	13	3·450	5·303
31132	11	7·694	5·836
31133	15	11·577	5·266
31134	21	15·108	5·799
31135*	33	20·561	5·225
31136	8	20·990	5·900
31137	11	21·327	5·580
31138	10	21·908	5·218
31139	11	25·007	5·085
31140	10	4·550	6·904
31141	14	8·727	6·052
31142	15	11·545	6·764
31143	11	17·693	6·750
31144*	29	18·790	6·928
31145	9	21·692	6·345
31146	20	1·097	7·372
31147	14	5·838	7·447
31148	11	11·338	7·311
31149	13	17·744	7·830
31150	15	21·542	7·500
31151	7	21·620	7·292
31152	13	22·212	7·417
31153	11	23·660	7·060
31154	14	24·670	7·670
31155	17	2·900	8·724
31156*	35	3·184	8·001
31157	13	4·079	8·354
31158	11	6·670	8·443
31159	13	9·997	8·477
31160	13	22·752	8·342
31161	13	25·227	8·700
31162	12	4·544	9·849
31163	11	10·022	9·484
31164	13	11·956	9·782
31165	13	15·939	9·931
31166	11	22·267	9·874
31167	11	2·003	10·570
31168*	33	6·149	10·757
31169	10	10·650	10·227
31170	14	12·908	10·652
31171*	35	15·806	10·010
31172*	17	5·070	11·108
31173	9	6·079	11·194
31174	14	11·188	11·993
31175	25	2·423	12·477
31176	11	3·450	12·681
31177	8	6·941	12·966
31178	10	8·794	12·074
31179	17	10·713	12·981
31180	15	15·418	12·049
31181	14	17·513	12·570
31182	12	21·829	12·438
31183	22	23·432	12·930
31184	12	24·468	12·280
31185	21	0·184	13·795
31186	14	0·459	13·967
31187	12	3·880	13·040
31188	17	6·369	13·951
31189	12	9·713	13·766
31190	13	18·920	13·957
31191	10	24·473	13·626
31192	15	0·653	14·690
31193	13	1·607	14·877
31194	9	5·841	14·076
31195	14	12·274	14·652
31196	13	13·430	14·739
31197	13	14·532	14·514
31198	9	17·536	14·222
31199*	26	21·701	14·006
31200*	37	1·501	15·127
31201	14	3·196	15·580
31202	10	5·250	15·167
31203	11	11·898	15·835
31204	9	24·308	15·228
31205	10	2·956	16·848
31206	11	6·939	16·238
31207	9	12·311	16·706
31208	11	13·520	16·813
31209	22	14·266	16·300
31210*	42	15·401	16·931
31211	14	24·036	16·310
31212	12	24·271	16·299
31213	14	6·561	17·257
31214	12	8·122	17·780
31215	11	10·456	17·359
31216	12	11·151	17·469
31217	9	20·149	17·450
31218	22	22·010	17·130
31219	14	23·250	17·982
31220	20	0·911	18·062
31221	11	4·660	18·490
31222	10	7·134	18·404
31223	10	17·968	18·721
31224*	34	18·386	18·449
31225	9	18·688	18·169
31226	9	19·092	18·043
31227*	28	25·400	18·157
31228	22	7·678	19·354
31229	10	11·326	19·403
31230	9	11·860	19·846
31231	11	24·915	19·250
31232	22	25·055	19·527
31233	22	0·999	20·100
31234	28	1·480	20·438
31235	12	8·292	20·808
31236	10	9·207	20·349
31237	12	11·377	20·970
31238	13	11·646	20·610
31239	11	15·054	20·421
31240	13	22·351	20·125
31241*	37	3·112	21·187
31242	13	11·840	21·492
31243	12	19·323	21·484
31244	14	23·255	21·067
31245*	47	23·933	21·760
31246	12	5·695	22·264
31247	18	7·942	22·584
31248	13	9·976	22·430
31249	11	13·875	22·346
31250	14	20·286	22·073
31251	14	20·753	22·113
31252	16	23·366	22·413
31253*	32	5·030	23·197
31254	9	10·822	23·108
31255	10	14·335	23·657
31256	14	18·872	23·466
31257	9	18·882	23·891
31258	14	22·338	23·124
31259	11	22·758	23·611
31260	24	24·307	23·541
31261	15	5·200	24·557
31262	14	7·764	24·431
31263	8	15·534	24·493
31264	12	19·586	24·450
31265	19	21·783	24·491
31266	10	22·194	24·776
31267	14	24·708	24·636
31268*	65	2·524	25·648
31269	27	6·426	25·813
31270	22	11·990	25·700
31271	12	14·300	25·894
31272	10	16·804	25·672
31273	21	18·070	25·466
31274	21	22·692	25·790
31275*	38	25·389	25·080
31276	11	25·834	25·737

R. A. 14h 10m

Plate 2276; 1903 May 21.

Provisional Constants.

A	B	C
−·00032	+·00080	−·0574
D	**E**	**F**
−·00075	−·00062	−·0036

Mag. = 16·4 − 1·36 $\sqrt{d}$

No.	d	x	y
31301	33	0·594	0·301
31302	23	2·117	0·681
31303	20	7·168	0·467
31304	10	7·690	0·855
31305	10	12·861	0·976

31306	20	13·351	0·656
31307	5	15·286	0·590
31308	9	16·652	0·341
31309	8	17·580	0·104
31310	11	19·416	0·116
31311	10	20·539	0·008
31312	12	21·055	0·300
31313	19	23·504	0·174
31314	9	3·958	1·327
31315*	22	4·948	1·796
31316	10	7·156	1·014
31317	10	13·547	1·494
31318	12	18·047	1·883
31319	13	20·097	1·816
31320	8	21·117	1·832
31321	10	2·705	2·174
31322	10	5·842	2·530
31323	16	8·749	2·507
31324	8	10·576	2·508
31325	10	11·624	2·238
31326	6	12·755	2·770
31327	7	18·976	2·495
31328	10	21·982	2·229
31329	8	22·332	2·078
31330*	23	25·805	2·425
31331	7	1·193	3·499
31332	8	6·573	3·388
31333	9	6·827	3·646
31334	14	7·337	3·244
31335	13	9·279	3·993
31336	6	11·474	3·752
31337	9	13·568	3·640
31338*	23	13·733	3·806
31339	10	15·223	3·306
31340	8	21·058	3·057
31341	9	24·518	3·523
31342	28	1·257	4·264
31343	6	2·599	4·805
31344	6	8·386	4·253
31345	13	9·590	4·351
31346	8	10·077	4·115
31347	19	13·455	4·692
31348	9	14·513	4·799
31349	10	16·351	4·108
31350	10	20·218	4·636
31351	7	21·649	4·744
31352*	21	24·774	4·704
31353	10	25·197	4·699
31354	10	1·847	5·067
31355	8	4·573	5·477
31356	18	11·208	5·244
31357	7	18·579	5·205
31358	23	19·712	5·787
31359	9	19·834	5·646
31360	9	20·492	5·350
31361	7	22·082	5·664
31362	9	24·233	5·139
31363	8	4·090	6·163
31364	10	4·882	6·082
31365	9	13·503	6·833
31366	8	17·107	6·044
31367	9	20·906	6·168
31368	8	21·067	6·277
31369	10	21·210	6·157
31370	7	24·318	6·622
31371	20	0·539	7·069
31372	7	1·254	7·144
31373	20	1·560	7·658
31374	6	2·586	7·247
31375	10	5·177	7·247
31376	19	5·290	7·699
31377	10	5·617	7·777
31378*	37	9·146	7·937
31379	13	12·835	7·076

31380	10	14·508	7·895
31381	22	16·654	7·824
31382	7	16·956	7·945
31383	6	20·120	7·641
31384	12	20·953	7·776
31385	7	21·533	7·803
31386	18	24·134	7·844
31387	10	24·395	7·805
31388	16	2·140	8·680
31389	12	8·627	8·928
31390*	30	15·209	8·595
31391	13	22·929	8·954
31392	16	23·194	8·993
31393	10	24·010	8·785
31394	10	24·056	8·516
31395*	24	24·949	8·889
31396*	27	4·872	9·356
31397	12	5·711	9·886
31398	17	6·264	9·787
31399	8	8·876	9·870
31400	10	8·878	9·209
31401	5	11·573	9·460
31402*	40	11·895	9·136
31403	15	11·962	9·515
31404	7	22·642	9·376
31405	10	13·925	10·133
31406	7	22·579	10·222
31407	7	4·517	11·286
31408	7	4·763	11·905
31409	9	6·414	11·790
31410	10	10·713	11·974
31411	7	21·425	11·170
31412	33	0·424	12·941
31413	13	1·447	12·273
31414	10	3·157	12·686
31415	7	3·857	12·403
31416	10	5·141	12·603
31417	17	9·181	12·700
31418	9	9·871	12·363
31419	15	24·271	12·007
31420	10	1·474	13·619
31421	19	6·152	13·060
31422	6	8·302	13·393
31423	7	15·767	13·877
31424	10	10·080	14·074
31425	7	12·916	14·788
31426	12	13·540	14·427
31427	7	16·539	14·026
31428	22	18·267	14·237
31429	10	21·155	14·993
31430	10	21·515	14·320
31431	7	22·055	14·695
31432	10	22·231	14·127
31433	6	22·797	14·746
31434	9	22·914	14·284
31435	8	23·874	14·525
31436	19	25·590	14·522
31437	32	25·878	14·234
31438	8	2·710	15·307
31439	10	3·569	15·906
31440	8	4·093	15·493
31441	9	6·012	15·471
31442	11	7·916	15·446
31443	8	20·336	15·466
31444	10	21·139	15·155
31445	11	21·884	15·137
31446	17	1·089	16·310
31447	10	1·325	16·293
31448	9	7·455	16·717
31449	12	8·215	16·337
31450	10	10·932	16·844
31451	7	13·395	16·424
31452	11	13·593	16·674
31453	10	19·622	16·610

31454	8	23·766	16·841
31455	12	25·594	16·315
31456	8	10·762	17·988
31457	7	10·920	17·464
31458	12	11·107	17·764
31459	9	13·695	17·866
31460*	12	22·385	17·376
31461	10	24·583	17·746
31462	7	25·073	17·910
31463*	30	2·486	18·132
31464*	21	10·304	18·555
31465*	20	11·461	18·517
31466	20	12·494	18·229
31467	7	13·179	18·846
31468	10	13·674	18·916
31469	12	17·165	18·337
31470	9	21·294	18·616
31471	10	22·836	18·177
31472	8	23·174	18·309
31473	9	23·205	18·843
31474	8	24·665	18·095
31475	10	2·023	19·235
31476	27	2·169	19·509
31477	6	21·537	19·965
31478	10	24·713	19·074
31479	7	6·163	20·356
31480	8	9·662	20·104
31481	12	11·007	20·458
31482*	50	11·403	20·933
31483	13	13·488	20·811
31484	10	19·040	20·849
31485	10	19·071	20·799
31486	8	19·172	20·843
31487	9	19·589	20·839
31488	7	21·220	20·717
31489	25	0·398	21·085
31490*	70	1·087	21·765
31491	10	3·411	21·688
31492	9	9·144	21·177
31493	6	10·188	21·420
31494	11	14·272	21·974
31495*	31	17·890	21·262
31496	21	20·114	21·937
31497	11	20·817	21·723
31498	9	21·491	21·731
31499	10	0·534	22·427
31500	8	3·266	22·865
31501*	30	6·240	22·304
31502	10	11·994	22·460
31503	13	14·635	22·456
31504	7	14·860	22·947
31505	25	15·528	22·079
31506	12	17·277	22·452
31507	9	20·507	22·737
31508	25	1·498	23·535
31509	8	6·069	23·517
31510	10	8·666	23·769
31511	7	12·444	23·705
31512	20	12·543	23·492
31513	10	13·674	23·766
31514	10	14·444	23·986
31515	16	15·484	23·793
31516	9	15·787	23·177
31517	23	17·729	23·879
31518	11	1·920	24·624
31519	31	3·766	24·695
31520	10	7·510	24·341
31521	12	9·296	24·650
31522	8	12·774	24·514
31523	20	13·433	24·084
31524	4	17·350	24·533
31525	10	18·722	24·293
31526	12	24·460	24·774
31527*	40	2·609	25·054

31528	10	3·065	25·704
31529	20	3·307	25·420
31530	27	5·114	25·686
31531*	38	9·444	25·544
31532	10	13·266	25·917
31533*	20	21·017	25·573
31534	11	22·900	25·777
31535	21	24·916	25·404

R. A. $14^h\ 19^m$

Plate 2256 ; 1903 May 7.

Provisional Constants.

A	B	C
−·00080	−·00535	−·0163
D	**E**	**F**
+·00567	−·00052	−·5362

$Mag. = 16·5 - 1·36\ \sqrt{d}$

No.	*d*	*x*	*y*
31601	16	3·170	0·694
31602	13	7·591	0·975
31603	10	13·170	0·175
31604	11	18·165	0·740
31605	13	19·253	0·329
31606	10	19·469	0·557
31607	10	19·924	0·698
31608	10	23·643	0·735
31609*	25	2·483	1·906
31610	12	3·464	1·228
31611*	30	5·490	1·949
31612	13	6·425	1·914
31613	13	9·120	1·922
31614	12	9·183	1·851
31615*	30	9·451	1·651
31616	20	12·638	1·763
31617	12	16·415	1·248
31618	13	19·944	1·150
31619	10	20·080	1·368
31620	11	21·407	1·628
31621	22	24·024	1·856
31622	20	25·844	1·438
31623	11	7·266	2·732
31624	13	11·670	2·873
31625	11	11·675	2·664
31626	24	16·192	2·842
31627	11	16·385	2·592
31628	13	17·280	2·022
31629	11	19·211	2·504
31630	10	22·906	2·766
31631	13	24·785	2·202
31632	12	1·211	3·019
31633	15	2·973	3·208
31634	11	4·084	3·533
31635	13	5·457	3·891
31636	13	9·776	3·436
31637	10	9·915	3·511
31638	13	14·255	3·439
31639*	24	16·164	3·941
31640	13	16·704	3·014
31641	26	21·803	3·620
31642	13	22·266	3·264
31643	15	22·464	3·614

31644	12	22·614	3·991
31645	10	22·762	3·044
31646	10	23·990	3·106
31647	11	25·923	3·267
31648	13	0·948	4·640
31649*	23	1·485	4·199
31650	12	1·907	4·186
31651	10	5·189	4·662
31652	22	9·705	4·896
31653	12	14·445	4·795
31654	24	18·740	4·106
31655	10	24·739	4·220
31656	21	25·006	4·650
31657	12	25·327	4·628
31658	23	25·979	4·260
31659	16	8·068	5·808
31660	13	8·895	5·582
31661	10	9·145	5·640
31662	37	14·470	5·611
31663*	11	14·543	5·539
31664	12	22·021	5·515
31665	10	8·880	6·510
31666	15	10·299	6·996
31667	12	13·909	6·416
31668	10	14·849	6·475
31669	10	21·468	6·212
31670	12	22·064	6·636
31671	21	0·888	7·345
31672	13	1·150	7·303
31673	13	2·789	7·468
31674	11	4·400	7·814
31675	10	5·165	7·679
31676	11	5·243	7·068
31677	10	9·630	7·397
31678	13	10·186	7·295
31679	12	15·092	7·350
31680	14	15·857	7·804
31681	10	19·317	7·080
31682	13	19·514	7·036
31683	10	19·580	7·750
31684	10	20·450	7·697
31685	14	20·541	7·571
31686*	32	22·290	7·989
31687	10	22·799	7·890
31688	10	22·961	7·339
31689	12	0·775	8·288
31690	13	0·819	8·019
31691*	24	1·719	8·379
31692	18	3·736	8·640
31693	13	5·070	8·418
31694	11	5·252	8·961
31695	23	6·899	8·625
31696	13	7·701	8·782
31697	10	9·349	8·499
31698	10	10·074	8·677
31699	13	12·537	8·660
31700	12	14·690	8·215
31701	23	16·789	8·724
31702	13	21·289	8·658
31703	12	22·280	8·409
31704	10	23·340	8·971
31705	17	24·084	8·651
31706	12	25·750	8·240
31707	18	3·710	9·155
31708	12	5·007	9·264
31709	14	5·907	9·827
31710	11	16·860	9·570
31711	10	19·814	9·345
31712	12	3·671	10·197
31713*	30	4·762	10·079
31714*	32	5·705	10·193
31715	10	6·730	10·749
31716	13	13·183	10·802
31717	12	19·396	10·251

31718	11	22·054	10·477
31719	10	23·677	10·550
31720	11	24·550	10·350
31721	11	0·152	11·220
31722	15	1·085	11·507
31723*	60	4·610	11·173
31724	21	8·493	11·361
31725*	39	15·247	11·505
31726	12	19·239	11·658
31727	19	20·814	11·215
31728	11	22·150	11·407
31729	10	22·716	11·464
31730	10	23·380	11·981
31731	13	23·493	11·833
31732	11	3·672	12·620
31733	12	6·150	12·313
31734	13	13·139	12·151
31735	13	14·680	12·820
31736	15	17·353	12·719
31737	11	17·593	12·519
31738	13	20·735	12·144
31739	10	22·889	12·877
31740*	32	2·722	13·709
31741	10	4·487	13·782
31742	11	9·583	13·450
31743	10	11·040	13·581
31744	15	13·967	13·196
31745	13	19·055	13·740
31746	10	22·289	13·893
31747*	25	23·061	13·593
31748	10	0·719	14·031
31749	20	2·438	14·001
31750	12	3·599	14·833
31751*	23	5·450	14·270
31752*	22	5·812	14·327
31753	19	7·370	14·975
31754	11	9·276	14·780
31755	14	18·518	14·836
31756	10	21·510	14·108
31757	15	22·808	14·528
31758	11	24·425	14·664
31759	10	0·444	15·202
31760	12	2·469	15·793
31761	10	3·900	15·605
31762	13	4·842	15·234
31763	10	6·380	15·548
31764*	33	12·289	15·370
31765	10	14·229	15·528
31766	13	16·710	15·161
31767	13	23·360	15·590
31768	10	0·644	16·347
31769	13	3·634	16·270
31770*	32	7·763	16·042
31771	10	8·599	16·312
31772	11	10·641	16·930
31773	10	14·760	16·871
31774	9	19·351	16·651
31775	13	21·519	16·069
31776	13	25·621	16·201
31777	11	0·075	17·820
31778	12	1·477	17·241
31779	10	1·562	17·589
31780*	23	3·728	17·850
31781	11	4·437	17·520
31782	13	7·002	17·019
31783	13	7·605	17·376
31784	10	7·930	17·033
31785	10	11·040	17·290
31786	13	11·531	17·618
31787	12	12·209	17·027
31788	22	15·505	17·596
31789	12	19·661	17·590
31790	11	20·060	17·598
31791	13	20·407	17·778

31792	10	21·997	17·376
31793	11	25·432	17·431
31794	12	1·627	18·564
31795	15	3·270	18·193
31796	10	5·334	18·483
31797	11	9·030	18·072
31798	10	13·036	18·462
31799	10	19·186	18·636
31800	10	19·308	18·577
31801	10	20·624	18·188
31802	13	4·670	19·130
31803*	26	5·400	19·805
31804	15	9·024	19·044
31805*	17	15·345	19·305
31806*	30	17·311	19·167
31807	15	17·550	19·259
31808	10	18·283	19·082
31809	12	23·970	19·136
31810	18	24·568	19·385
31811	15	25·110	19·484
31812	10	25·873	19·674
31813	17	3·080	20·087
31814	10	6·450	20·126
31815	10	8·440	20·617
31816	10	8·613	20·432
31817	10	10·725	20·450
31818	13	11·719	20·620
31819	10	14·197	20·601
31820	15	14·386	20·089
31821	10	16·716	20·718
31822	20	23·372	20·642
31823	13	4·697	21·994
31824	11	4·927	21·685
31825	13	7·419	21·148
31826	13	7·975	21·000
31827	12	8·360	21·469
31828	11	8·752	21·269
31829	10	11·597	21·619
31830	12	14·943	21·316
31831	13	15·805	21·087
31832	13	19·187	21·267
31833	13	20·250	21·747
31834	12	22·770	21·073
31835	13	5·473	22·561
31836	21	10·370	22·596
31837	11	10·501	22·175
31838	13	10·880	22·269
31839	11	11·562	22·605
31840*	22	11·668	22·045
31841	22	12·436	22·107
31842	16	13·329	22·507
31843	13	14·768	22·631
31844	10	16·113	22·850
31845	11	16·746	22·905
31846	11	20·674	22·899
31847	10	9·164	23·249
31848	12	9·190	23·950
31849	11	9·800	23·530
31850	19	12·092	23·236
31851	15	12·463	23·116
31852	16	13·446	23·714
31853	21	15·814	23·448
31854	22	20·445	23·884
31855	22	1·451	24·269
31856	33	1·916	24·893
31857	12	9·191	24·801
31858	13	10·312	24·028
31859	10	12·332	24·241
31860	12	15·277	24·921
31861	13	18·522	24·250
31862	10	20·240	24·691
31863	12	21·274	24·755
31864	21	22·320	24·640
31865	11	22·460	24·474

31866	13	22·944	24·583
31867	12	23·785	24·992
31868	11	23·940	24·630
31869	13	25·897	24·724
31870	22	4·611	25·582
31871	13	5·339	25·939
31872	13	10·727	25·781
31873	11	12·696	25·220
31874	13	14·208	25·682
31875	23	15·895	25·645
31876	12	23·097	25·733

R. A. 14h 28m

Plate 2257 ; 1903 May 7.

Provisional Constants.

A	B	C
−·00029	+·00527	−·2901
D	**E**	**F**
−·00487	−·00055	+·0524

Mag. = 16·5 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
31901	25	1·283	0·259
31902	19	1·976	0·333
31903*	34	4·375	0·888
31904	16	5·826	0·537
31905	18	5·834	0·160
31906	15	7·709	0·108
31907	19	10·686	0·704
31908	12	10·875	0·320
31909	14	12·306	0·988
31910	10	13·303	0·725
31911	11	14·464	0·272
31912	10	14·932	0·013
31913	11	18·220	0·014
31914	17	19·833	0·485
31915	15	19·849	0·370
31916	14	20·067	0·730
31917	30	2·227	1·846
31918	20	4·227	1·689
31919	17	5·184	1·158
31920	18	5·475	1·013
31921	14	7·460	1·496
31922*	30	9·316	1·809
31923	10	10·715	1·628
31924	18	11·455	1·512
31925	12	15·153	1·370
31926	9	18·910	1·467
31927	13	19·106	1·110
31928	43	0·423	2·323
31929	23	1·190	2·640
31930	18	3·236	2·755
31931	11	13·725	2·796
31932	11	14·235	2·550
31933	11	17·273	2·010
31934	10	18·630	2·045
31935	12	8·674	3·080
31936	17	8·694	3·920
31937	10	9·599	3·157
31938*	80	18·760	3·125
31939	12	19·544	3·029
31940	23	19·544	3·230

31941	27	2·450	4·666
31942	12	5·724	4·084
31943*	20	5·961	4·819
31944	19	6·175	4·353
31945	14	8·700	4·723
31946	10	14·390	4·552
31947	10	15·941	4·395
31948*	34	16·881	4·086
31949	10	20·114	4·694
31950	10	21·111	4·500
31951	10	22·712	4·136
31952	34	1·491	5·084
31953	15	1·806	5·054
31954*	38	2·890	5·461
31955	11	9·970	5·570
31956	11	11·655	5·788
31957	10	18·713	5·606
31958	14	19·262	5·424
31959	10	22·181	5·404
31960	10	22·836	5·888
31961	14	23·373	5·566
31962	12	24·513	5·482
31963	10	4·744	6·695
31964	12	4·981	6·765
31965	20	11·685	6·920
31966	11	13·229	6·062
31967	14	14·151	6·037
31968	10	15·024	6·906
31969	10	16·202	6·934
31970	12	17·358	6·507
31971	10	4·484	7·898
31972	17	5·346	7·851
31973	9	7·266	7·570
31974	14	10·243	7·974
31975	10	13·577	7·370
31976	10	16·316	7·545
31977	8	19·939	7·255
31978	13	21·996	7·547
31979	10	22·062	7·693
31980	9	22·102	7·083
31981	12	24·273	7·316
31982	9	24·546	7·222
31983	15	2·342	8·647
31984	11	7·415	8·427
31985	11	8·054	8·278
31986	20	12·041	8·060
31987	12	18·030	8·519
31988	10	20·728	8·552
31989	20	23·074	8·846
31990	10	24·611	8·100
31991	12	24·850	8·717
31992	10	25·414	8·078
31993	25	0·688	9·113
31994	12	5·850	9·736
31995	11	6·143	9·835
31996	13	8·585	9·649
31997*	40	12·724	9·394
31998	12	17·854	9·496
31999	9	18·135	9·294
32000	12	25·924	9·211
32001*	21	10·505	10·957
32002	14	11·464	10·866
32003*	80	11·530	10·713
32004	16	12·555	10·772
32005	19	15·628	10·297
32006	13	17·284	10·199
32007	18	19·300	10·606
32008	12	19·840	10·454
32009	10	22·435	10·584
32010	10	24·443	10·646
32011*	43	2·895	11·617
32012	19	3·634	11·191
32013	10	4·385	11·514
32014	10	4·634	11·355

32015	10	6·700	11·45
32016	15	10·490	11·65
32017	14	12·248	11·14
32018	30	13·498	11·81
32019	10	14·130	11·03
32020	11	15·427	11·95
32021	15	17·310	11·17
32022	11	22·456	11·86
32023	10	24·653	11·38
32024	16	0·195	12·31
32025	10	4·271	12·22
32026	10	5·366	12·32
32027	10	7·105	12·69
32028	12	7·495	12·90
32029	12	8·980	12·90
32030	10	21·911	12·11
32031	12	21·927	12·80
32032	10	22·440	12·03
32033	11	5·546	13·03
32034	15	6·842	13·09
32035	10	8·860	13·66
32036	12	12·384	13·01
32037	15	13·711	13·76
32038	12	14·155	13·87
32039	13	20·565	13·54
32040	14	24·914	13·36
32041	10	25·816	13·99
32042*	40	5·475	14·53
32043	12	20·850	14·52
32044	12	22·070	14·60
32045	11	22·377	14·48
32046	12	23·222	14·21
32047	12	25·764	14·75
32048	14	5·133	15·27
32049	14	5·956	15·38
32050	12	6·124	15·25
32051	9	7·488	15·85
32052*	34	11·140	15·22
32053	12	12·448	15·30
32054	9	14·536	15·25
32055	10	15·030	15·82
32056	11	18·611	15·60
32057	10	23·114	15·12
32058	27	0·180	16·07
32059	19	2·463	16·61
32060	21	2·992	16·15
32061	19	3·394	16·30
32061	11	4·904	16·45
32063	9	7·387	16·93
32064	12	13·945	16·07
32065	15	14·835	16·06
32066	12	14·845	16·17
32067	12	17·804	16·48
32068	10	21·760	16·74
32069	11	22·795	16·07
32070	18	2·313	17·84
32071	16	8·931	17·30
32072	20	9·495	17·26
32073	10	10·365	17·22
32074	17	12·400	17·15
32075	12	12·630	17·53
32076	10	12·964	17·37
32077	10	13·256	17·33
32078	23	14·660	17·55
32079	10	18·737	17·15
32080	12	19·693	17·09
32081	17	19·792	17·74
32082	12	21·456	17·77
32083	11	25·516	17·66
32084	19	3·886	18·29
32085	17	4·238	18·45
32086*	40	5·156	18·51
32087	9	8·218	18·48
32088	10	9·136	18·25

32089	10	9·552	18·215
32090	9	13·499	18·624
32091	12	16·770	18·830
32092*	31	17·639	18·064
32093	14	19·140	18·580
32094	14	22·604	18·303
32095	10	23·551	18·145
32096	17	0·900	19·596
32097	31	1·509	19·826
32098	19	2·052	19·906
32099	19	3·091	19·189
32100	10	5·739	19·635
32101	12	6·610	19·304
32102	11	7·216	19·876
32103	23	15·787	19·711
32104	10	18·744	19·099
32105	12	20·339	19·597
32106	11	25·823	19·055
32107	18	2·821	20·076
32108	22	3·440	20·708
32109	13	5·114	20·087
32110	12	5·620	20·833
32111	10	9·830	20·966
32112	12	10·771	20·343
32113	13	14·450	20·819
32114	11	16·046	20·340
32115	15	19·876	20·188
32116	10	23·210	20·666
32117	12	24·510	20·760
32118	30	25·976	20·975
32119	32	0·350	21·123
32120	10	3·840	21·042
32121	14	4·661	21·591
32122	14	5·068	21·741
32123	27	5·960	21·540
32124	16	6·301	21·989
32125	10	10·926	21·701
32126	10	11·089	21·355
32127	14	13·946	21·216
32128	9	17·924	21·486
32129	9	18·189	21·561
32130	10	19·640	21·604
32131	24	25·946	21·629
32132	16	7·260	22·165
32133	9	7·408	22·267
32134	10	10·745	22·572
32135*	32	11·605	22·142
32136	9	14·270	22·338
32137	12	17·095	22·104
32138	10	18·438	22·106
32139	10	19·430	22·686
32140	14	23·526	22·699
32141	26	24·262	22·322
32142*	29	24·375	22·547
32143	29	5·556	23·582
32144	11	5·655	23·953
32145	10	10·700	23·554
32146	14	11·666	23·841
32147	11	11·894	23·396
32148	11	12·480	23·442
32149	22	14·420	23·894
32150	9	16·740	23·479
32151	11	20·690	23·331
32152	12	21·720	23·480
32153	11	22·227	23·583
32154	14	24·040	23·768
32155	12	24·250	23·689
32156	12	25·018	23·813
32157	28	25·935	23·464
32158	26	4·144	24·524
32159	14	8·787	24·785
32160	22	11·490	24·244
32161	10	12·007	24·884
32162	12	13·958	24·382

32163	8	16·852	24·070
32164	21	19·620	24·792
32165	16	22·864	24·821
32166	22	25·934	24·854
32167	31	0·041	25·077
32168	24	4·330	25·604
32169	17	4·595	25·141
32170	11	8·936	25·099
32171*	27	13·044	25·907
32172*	30	13·092	25·925
32173	11	14·551	25·981
32174	12	15·140	25·348
32175	15	15·805	25·676
32176	14	18·455	25·411
32177	13	19·976	25·360
32178	12	20·371	25·286
32179	16	22·356	25·560

R. A. 14h 37m

Plate 2258; 1903 May 7.

Provisional Constants.

A	B	C
−·00099	−·00080	−·0636
D	**E**	**F**
+·00050	−·00028	+·0120

Mag. = 16·2 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
32201	21	5·666	0·014
32202	16	6·004	0·379
32203	11	12·684	0·320
32204	11	16·775	0·333
32205	9	19·377	0·427
32206	13	21·779	0·210
32207	16	23·370	0·754
32208	17	24·070	0·313
32209*	32	25·777	0·414
32210	20	5·753	1·975
32211	13	8·754	1·600
32212	11	9·084	1·849
32213	14	9·299	1·658
32214	15	10·529	1·834
32215	12	11·101	1·059
32216	18	13·153	1·018
32217	15	15·444	1·918
32218	12	16·036	1·888
32219	11	16·766	1·018
32220	11	16·851	1·425
32221	11	17·244	1·322
32222*	21	20·997	1·276
32223	11	22·700	1·374
32224	10	22·860	1·963
32225	11	23·543	1·397
32226	10	8·498	2·622
32227	14	10·439	2·114
32228	10	11·174	2·059
32229	10	12·982	2·700
32230	10	13·245	2·855
32231	12	13·865	2·264
32232	10	15·233	2·356
32233	9	15·310	2·241
32234*	30	18·036	2·535

32235	14	25·504	2·430
32236	10	6·844	3·148
32237	10	6·885	3·004
32238	12	7·322	3·894
32239	20	8·336	3·606
32240	12	9·526	3·567
32241	12	11·276	3·043
32242	10	12·211	3·990
32243	12	12·480	3·360
32244	11	13·586	3·730
32245	10	16·370	3·020
32246*	22	16·422	3·258
32247	10	16·447	3·376
32248	13	18·585	3·896
32249	8	20·287	3·262
32250	12	20·415	3·509
32251	11	21·179	3·030
32252	11	21·602	3·943
32253	20	24·240	3·242
32254	14	6·870	4·076
32255	10	8·620	4·481
32256	22	10·831	4·028
32257	10	11·685	4·695
32258	14	13·570	4·149
32259	22	15·305	4·235
32260	10	16·085	4·816
32261	20	18·507	4·057
32262	20	18·661	4·935
32263	10	19·580	4·481
32264	11	22·012	4·515
32265	12	25·352	4·959
32266	31	0·271	5·674
32267	21	1·409	5·571
32268	15	3·431	5·638
32269	15	3·607	5·908
32270	12	5·282	5·624
32271	20	6·840	5·261
32272	10	7·817	5·206
32273*	19	10·599	5·425
32274	13	11·472	5·408
32275	12	13·443	5·585
32276	22	16·264	5·028
32277*	20	18·191	5·642
32278	9	19·144	5·206
32279	10	21·664	5·152
32280*	35	6·117	6·398
32281	15	6·576	6·959
32282	17	6·900	6·623
32283	10	7·074	6·870
32284	16	8·053	6·388
32285	9	8·610	6·579
32286	10	12·037	6·242
32287	11	13·402	6·910
32288	11	17·260	6·836
32289	17	17·770	6·215
32290	8	18·384	6·718
32291	16	20·440	6·437
32292	10	21·755	6·282
32293	11	24·050	6·056
32294	13	24·600	6·859
32295	11	25·744	6·322
32296	21	1·195	7·410
32297	22	3·034	7·990
32298	12	9·170	7·458
32299*	20	9·342	7·150
32300	9	9·931	7·534
32301	12	13·184	7·923
32302	15	15·085	7·737
32303	10	16·140	7·703
32304	10	18·310	7·977
32305*	29	18·570	7·232
32306	12	19·067	7·075
32307	10	19·134	7·081
32308	10	21·236	7·986

32309	37	0·016	8·956
32310	21	1·791	8·802
32311	13	2·347	8·155
32312	11	6·435	8·995
32313	10	8·540	8·630
32314	13	12·800	8·855
32315	13	17·936	8·892
32316	10	20·532	8·042
32317	11	21·300	8·535
32318	12	21·329	8·957
32319	9	21·884	8·465
32320	10	22·080	8·125
32321	12	22·409	8·775
32322	10	23·371	8·494
32323	11	2·874	9·281
32324	20	7·160	9·631
32325	11	10·309	9·901
32326	10	10·886	9·490
32327	21	12·650	9·405
32328	10	15·092	9·811
32329	10	18·650	9·664
32330	20	20·527	9·983
32331*	37	22·355	9·667
32332	19	23·705	9·444
32333	16	1·413	10·736
32334	12	4·637	10·468
32335	14	7·578	10·920
32336	14	7·805	10·917
32337	16	8·450	10·805
32338	16	10·844	10·710
32339	12	16·775	10·694
32340	11	17·835	10·042
32341	10	22·904	10·616
32342*	22	25·780	10·325
32343	18	1·635	11·470
32344	15	8·694	11·827
32345*	41	10·379	11·511
32346	16	15·760	11·744
32347	13	17·604	11·046
32348	12	18·322	11·476
32349	11	19·286	11·478
32350	11	20·633	11·287
32351	13	24·802	11·497
32352	12	4·747	12·530
32353	10	5·610	12·527
32354	11	6·047	12·214
32355	10	6·186	12·406
32356	9	7·750	12·706
32357*	40	10·815	12·427
32358	10	10·867	12·586
32359	14	18·708	12·660
32360	10	21·555	12·406
32361	10	21·980	12·130
32362	11	22·559	12·377
32363*	29	22·742	12·536
32364	22	1·924	13·450
32365	10	8·161	13·542
32366	10	9·907	13·022
32367	14	14·160	13·694
32368	15	14·424	13·821
32369	12	16·391	13·900
32370	10	18·327	13·557
32371	16	22·127	13·802
32372	10	22·635	13·611
32373	22	0·244	14·325
32374	12	2·834	14·061
32375	14	4·642	14·568
32376	11	12·544	14·680
32377	27	13·050	14·770
32378	16	13·771	14·552
32379*	30	18·246	14·638
32380	10	23·494	14·774
32381	10	23·975	14·016
32382	10	25·708	14·027

32383	23	0·148	15·230
32384	28	3·409	15·645
32385*	30	6·630	15·275
32386	14	11·720	15·069
32387	9	20·626	15·433
32388*	20	23·840	15·479
32389	10	9·199	16·908
32390	14	9·524	16·400
32391	12	12·060	16·199
32392	10	13·310	16·755
32393	10	14·343	16·713
32394	11	16·031	16·606
32395	10	20·743	16·454
32396	16	24·381	16·592
32397	13	2·587	17·740
32398	13	4·155	17·030
32399	10	7·193	17·327
32400	10	12·032	17·655
32401	10	12·760	17·094
32402	11	15·009	17·928
32403	21	21·418	17·987
32404	14	24·304	17·215
32405	14	24·534	17·767
32406	18	24·551	17·753
32407	13	25·855	17·913
32408	10	11·225	18·273
32409	10	11·980	18·296
32410	16	13·530	18·799
32411	12	14·180	18·509
32412	14	16·414	18·705
32413	11	18·755	18·182
32414	10	23·213	18·453
32415	11	24·785	18·130
32416	14	2·914	19·124
32417	14	3·473	19·937
32418*	23	7·914	19·513
32419	10	9·770	19·513
32420	10	10·074	19·799
32421	8	10·726	19·124
32422	14	11·240	19·654
32423	10	13·245	19·606
32424	10	14·394	19·674
32425*	30	15·320	19·779
32426	12	20·911	19·234
32427	13	25·284	19·570
32428	15	1·627	20·849
32429	18	6·275	20·620
32430	15	7·431	20·520
32431	16	10·906	20·144
32432	11	15·461	20·277
32433	11	20·314	20·276
32434	12	21·664	20·686
32435	13	24·799	20·190
32436	32	3·077	21·695
32437*	38	3·095	21·040
32438	15	4·600	21·806
32439	12	6·421	21·720
32440	12	8·163	21·647
32441	18	8·802	21·887
32442*	41	11·616	21·656
32443	15	11·822	21·220
32444*	23	13·066	21·991
32445	9	16·520	21·633
32446	8	17·535	21·560
32447	14	19·923	21·372
32448	10	21·300	21·977
32449	18	25·986	21·999
32450	22	0·670	22·803
32451	40	1·402	22·412
32452*	45	1·520	22·637
32453	9	14·524	22·130
32454	9	20·496	22·794
32455	20	23·584	22·059
32456	17	24·544	22·360

No.	d	x	y
32457	20	2·178	23·897
32458	32	3·092	23·530
32459	14	4·490	23·287
32460	22	5·853	23·665
32461	14	8·300	23·217
32462	10	11·555	23·881
32463	9	15·679	23·119
32464	10	16·840	23·782
32465	17	25·116	23·267
32466	30	0·038	24·934
32467	28	3·110	24·922
32468	19	5·627	24·173
32469	10	10·480	24·461
32470	12	11·134	24·192
32471	11	11·212	24·473
32472	15	22·567	24·743
32473*	70	3·590	25·644
32474	15	6·370	25·203
32475	10	10·210	25·130
32476*	33	12·873	25·010
32477	17	16·875	25·112
32478	16	17·379	25·050
32479	13	17·745	25·692
32480	22	20·293	25·720
32481	16	22·148	25·785
32482	12	22·240	25·207
32483	22	25·354	25·286

R. A. 14h 46m

Plate 2259; 1903 May 7.

Provisional Constants.

A	B	C
−·00034	−·00181	−·0548
D	**E**	**F**
+·00172	−·00061	−·0100

Mag. = 16·8 − 1·36 √d

No.	d	x	y
32501	26	0·703	0·283
32502*	50	2·415	0·355
32503	14	5·978	0·438
32504	14	9·818	0·413
32505	10	15·969	0·901
32506	10	16·151	0·452
32507	12	16·624	0·438
32508	14	16·800	0·235
32509	30	17·090	0·004
32510	12	18·664	0·047
32511	14	7·103	1·433
32512	18	12·586	1·755
32513	14	13·608	1·037
32514	11	16·075	1·754
32515	10	16·398	1·145
32516*	28	16·399	1·132
32517	10	19·315	1·841
32518	10	19·781	1·903
32519	12	19·880	1·559
32520*	24	22·307	1·172
32521	10	22·382	1·033
32522	12	5·560	2·678
32523	20	5·957	2·470
32524	11	10·699	2·191
32525	11	12·544	2·478
32526	12	14·305	2·526
32527	9	17·226	2·045
32528	12	24·743	2·880
32529	39	0·929	3·210
32530	16	3·408	3·247
32531	14	7·074	3·313
32532	10	7·677	3·115
32533	9	8·526	3·522
32534	10	8·598	3·220
32535	9	15·091	3·994
32536	9	15·110	3·628
32537	10	18·910	3·091
32538	9	19·841	3·630
32539	10	20·625	3·850
32540	10	21·825	3·774
32541	10	21·990	3·462
32542	12	24·760	3·070
32543	10	6·133	4·165
32544*	24	10·664	4·884
32545	10	15·290	4·523
32546	10	16·782	4·257
32547	14	17·054	4·768
32548	10	17·250	4·910
32549	12	18·206	4·945
32550	9	20·678	4·112
32551	14	23·650	4·634
32552	13	23·806	4·896
32553	21	3·473	5·086
32554	12	4·870	5·063
32555	10	5·320	5·439
32556	12	6·007	5·034
32557	10	8·974	5·764
32558	10	10·165	5·815
32559	15	13·690	5·470
32560	12	14·911	5·409
32561	15	15·008	5·179
32562	10	16·474	5·176
32563	11	17·870	5·349
32564	9	18·538	5·795
32565	15	21·900	5·524
32566	19	0·797	6·027
32567	12	3·662	6·317
32568	10	7·562	6·153
32569	12	8·159	6·450
32570	10	15·050	6·918
32571	16	17·790	6·987
32572	10	19·707	6·064
32573	15	20·270	6·304
32574	10	21·865	6·920
32575	10	23·300	6·389
32576*	50	24·215	6·716
32577	12	6·355	7·475
32578	11	7·141	7·672
32579	10	8·390	7·246
32580	9	8·970	7·561
32581	10	9·266	7·577
32582	12	10·460	7·173
32583	10	12·026	7·001
32584	9	13·790	7·239
32585*	30	14·104	7·966
32586	10	15·616	7·222
32587	20	17·450	7·210
32588	10	20·100	7·309
32589	10	22·256	7·309
32590	9	24·813	7·944
32591	20	0·158	8·475
32592	12	4·700	8·190
32593	10	8·040	8·129
32594	13	8·389	8·011
32595	11	12·410	8·586
32596	20	15·751	8·523
32597	39	0·509	9·419
32598	16	3·074	9·183
32599	16	13·878	9·940
32600	12	14·112	9·245
32601*	30	14·820	9·954
32602*	32	2·600	10·263
32603	12	3·493	10·202
32604	9	6·819	10·157
32605	15	7·391	10·520
32606	16	8·165	10·650
32607	12	12·276	10·877
32608	16	16·515	10·434
32609	14	21·457	10·327
32610	10	22·655	10·536
32611	10	25·724	10·339
32612	22	1·644	11·455
32613	10	3·589	11·994
32614	9	5·407	11·527
32615	12	5·600	11·595
32616	10	5·625	11·275
32617	12	8·824	11·400
32618	9	9·792	11·774
32619	10	10·215	11·565
32620	10	11·885	11·432
32621	12	12·894	11·519
32622*	40	14·435	11·114
32623	21	19·545	11·494
32624	11	5·420	12·382
32625	9	8·553	12·530
32626	9	9·269	12·722
32627*	30	12·192	12·910
32628	14	15·822	12·680
32629	10	21·655	12·147
32630	11	25·283	12·462
32631	30	3·120	13·904
32632*	32	3·415	13·717
32633	14	5·531	13·771
32634	10	7·092	13·694
32635	9	7·419	13·709
32636	13	10·298	13·849
32637	15	12·608	13·636
32638	11	24·344	13·472
32639	10	24·787	13·705
32640	9	25·041	13·386
32641	15	0·394	14·755
32642	12	7·102	14·821
32643	12	10·674	14·270
32644	12	12·043	14·227
32645	12	13·044	14·446
32646	15	17·205	14·590
32647	20	19·230	14·844
32648	15	19·300	14·775
32649	9	23·435	14·252
32650	22	24·325	14·304
32651*	40	0·759	15·452
32652	11	3·542	15·069
32653*	32	4·084	15·406
32654	9	7·315	15·343
32655	14	12·625	15·910
32656	13	16·635	15·635
32657	17	19·003	15·213
32658	9	23·735	15·740
32659	31	1·320	16·555
32660	12	3·020	16·389
32661	9	6·754	16·861
32662	16	10·275	16·214
32663	10	13·230	16·941
32664	9	13·879	16·559
32665	18	14·650	16·919
32666	12	14·698	16·832
32667	10	18·500	16·035
32668	10	21·861	16·200
32669	9	23·850	16·502
32670	24	1·255	17·177
32671	22	1·491	17·728
32672	27	1·511	17·713
32673	16	2·815	17·848
32674	12	6·900	17·217
32675	21	13·495	17·674
32676	22	13·725	17·245
32677	10	18·198	17·622
32678	11	19·426	17·072
32679	9	21·471	17·619
32680	11	21·514	17·416
32681	13	21·622	17·200
32682	10	21·720	17·057
32683	9	21·791	17·768
32684*	33	21·935	17·449
32685	20	0·184	18·434
32686	14	1·750	18·083
32687	12	3·021	18·415
32688	26	4·736	18·074
32689	11	6·273	18·282
32690	21	9·295	18·118
32691	9	10·272	18·909
32692	10	10·352	18·420
32693	10	10·764	18·845
32694	10	13·028	18·779
32695	12	18·084	18·395
32696	12	20·249	18·003
32697	12	22·584	18·103
32698	12	22·808	18·254
32699	16	2·275	19·514
32700*	32	3·475	19·936
32701	10	8·818	19·234
32702	12	11·295	19·247
32703	9	14·354	19·215
32704	10	15·479	19·346
32705	10	16·929	19·971
32706	14	17·936	19·694
32707	10	18·015	19·867
32708	10	20·175	19·577
32709	10	20·232	19·919
32710	10	21·150	19·189
32711	11	21·281	19·144
32712	15	24·692	19·050
32713	16	1·800	20·146
32714	11	8·757	20·109
32715*	27	9·650	20·836
32716	20	10·757	20·716
32717	21	14·267	20·947
32718	9	14·291	20·920
32719*	37	19·496	20·415
32720	10	22·425	20·173
32721	10	22·988	20·617
32722	11	23·228	20·196
32723	10	25·498	20·599
32724	18	3·023	21·931
32725	14	6·871	21·173
32726	13	12·317	21·777
32727	12	24·378	21·870
32728	18	25·566	21·392
32729	41	0·624	22·035
32730	33	1·588	22·317
32731	12	7·450	22·161
32732	12	8·328	22·366
32733	10	10·984	22·490
32734	10	11·864	22·475
32735	10	12·785	22·208
32736	10	16·005	22·399
32737	10	18·560	22·488
32738	10	19·252	22·855
32739	9	21·011	22·446
32740	30	2·178	23·218
32741	23	3·560	23·839
32742	12	8·524	23·717
32743	10	10·980	23·031
32744	10	11·199	23·964
32745	9	11·820	23·470
32746	9	13·848	23·43
32747	13	16·155	23·94
32748*	29	24·651	23·93
32749*	38	24·857	23·04
32750	9	6·181	24·34
32751	16	8·285	24·63
32752	10	13·873	24·86
32753	10	14·192	24·80
32754	11	18·441	24·62
32755	12	20·961	24·39
32756	18	24·018	24·13
32757	32	2·452	25·22
32758	15	6·070	25·33
32759	14	11·662	25·89
32760	14	21·548	25·58
32761	12	24·386	25·42

R. A. 14h 55m

Plate 2260; 1903 May 7.

Provisional Constants.

A	B	C
−·00075	+·00247	−·169
D	**E**	**F**
−·00268	−·00053	−·038

Mag. = 16·0 − 1·36 √d

No.	d	x	y
32801*	22	6·090	0·21
32802	15	16·794	0·36
32803	11	17·561	0·12
32804	13	17·586	0·55
32805	12	17·627	0·67
32806	11	17·758	0·81
32807	12	18·366	0·45
32808	22	3·584	1·16
32809	13	5·780	1·46
32810	11	9·372	1·28
32811	10	11·837	1·09
32812	12	15·761	1·79
32813	22	25·380	1·19
32814	23	3·774	2·28
32815	13	15·236	2·84
32816	15	22·120	2·16
32817	12	4·569	3·54
32818	10	4·824	3·36
32819	20	5·258	3·07
32820	16	6·831	3·50
32821	12	13·740	3·73
32822	10	15·100	3·61
32823	19	16·694	3·53
32824	10	17·266	3·39
32825	10	22·090	3·37
32826	9	22·910	3·79
32827	11	23·168	3·15
32828	12	25·141	3·56
32829	12	0·246	4·58
32830	12	0·410	4·83
32831	13	4·714	4·51
32832*	32	4·790	4·40
32833*	30	5·446	4·02
32834	12	7·349	4·54

32835	12	8·622	4·578
32836*	24	9·361	4·320
32837	19	13·360	4·841
32838*	32	13·674	4·112
32839	13	15·351	4·350
32840	12	22·001	4·061
32841	12	24·990	4·878
32842	22	3·376	5·374
32843	12	3·904	5·290
32844	10	6·925	5·370
32845	19	7·182	5·357
32846	10	8·860	5·509
32847	10	10·369	5·755
32848	18	13·404	5·558
32849	11	15·483	5·858
32850	10	16·968	5·708
32851	14	21·643	5·289
32852	13	22·450	5·968
32853	11	24·504	5·141
32854*	22	25·662	5·393
32855*	51	0·861	6·649
32856*	32	2·818	6·165
32857	13	3·706	6·230
32858	11	7·682	6·769
32859	12	8·881	6·523
32860	11	11·438	6·891
32861	13	13·166	6·807
32862	11	19·387	6·349
32863	12	20·450	6·418
32864	15	22·661	6·828
32865	12	22·744	6·918
32866	10	22·989	6·682
32867	9	23·048	6·850
32868	10	24·240	6·748
32869	10	24·959	6·788
32870	11	5·437	7·214
32871	12	9·855	7·011
32872	13	11·743	7·015
32873*	31	12·011	7·219
32874	13	21·090	7·964
32875	10	3·700	8·480
32876	12	9·830	8·869
32877	22	17·918	8·374
32878	10	23·542	8·644
32879	13	3·160	9·272
32880*	22	9·382	9·151
32881	12	11·208	9·864
32882	19	15·363	9·552
32883	19	20·829	9·050
32884	12	24·080	9·708
32885	11	2·458	10·234
32886	10	6·095	10·357
32887	13	12·690	10·299
32888	17	16·857	10·005
32889*	31	20·043	10·410
32890	10	20·206	10·228
32891	10	22·638	10·622
32892	15	25·727	10·895
32893	10	7·094	11·442
32894	11	10·060	11·076
32895	13	10·457	11·941
32896	14	11·320	11·987
32897	11	11·880	11·986
32898	10	14·704	11·205
32899	12	16·677	11·506
32900	18	17·260	11·000
32901	11	18·084	11·262
32902	13	21·279	11·267
32903	11	21·514	11·249
32904	10	22·460	11·013
32905	13	25·276	11·641
32906	11	2·069	12·366
32907	13	5·437	12·522
32908	13	11·074	12·986

32909	12	16·830	12·721
32910	13	16·856	12·395
32911	10	17·342	12·333
32912	11	20·594	12·652
32913	12	24·350	12·065
32914	11	25·427	12·874
32915	12	1·155	13·396
32916	10	1·604	13·620
32917	13	3·392	13·899
32918*	37	3·548	13·544
32919	10	3·770	13·272
32920	10	5·040	13·862
32921	13	8·681	13·237
32922	13	15·630	13·825
32923	11	18·292	13·983
32924	22	22·416	13·975
32925	22	1·157	14·230
32926	10	12·989	14·479
32927	11	25·250	14·935
32928	10	4·753	15·590
32929	13	7·314	15·617
32930	10	8·121	15·650
32931	10	9·050	15·397
32932	13	9·531	15·920
32933	10	15·650	15·755
32934	11	19·297	15·214
32935	10	4·660	16·555
32936	14	7·599	16·069
32937	11	5·248	17·466
32938	15	6·474	17·565
32939	10	7·627	17·951
32940	19	8·402	17·788
32941	11	8·835	17·267
32942	11	9·037	17·953
32943	11	9·691	17·958
32944	13	13·842	17·515
32945	22	15·422	17·274
32946	10	17·552	17·304
32947	12	22·182	17·202
32948	12	24·794	17·581
32949	11	25·164	17·603
32950	13	1·641	18·965
32951	13	3·311	18·661
32952	12	7·690	18·660
32953	15	11·021	18·868
32954	10	13·334	18·831
32955	11	13·353	18·250
32956	12	20·789	18·222
32957*	30	5·084	19·527
32958	19	9·497	19·490
32959	15	17·188	19·708
32960	10	19·496	19·916
32961	10	19·749	19·881
32962	22	21·619	19·946
32963	15	25·260	19·000
32964	10	3·076	20·701
32965	11	16·369	20·359
32966	12	18·700	20·291
32967	11	20·577	20·821
32968	12	25·434	20·266
32969	13	2·574	21·286
32970	10	4·175	21·327
32971	12	4·460	21·294
32972	12	5·444	21·503
32973	12	6·836	21·439
32974	12	7·406	21·062
32975	20	16·007	21·432
32976*	27	20·655	21·845
32977	10	21·947	21·506
32978	11	25·250	21·074
32979*	32	1·901	22·954
32980	11	4·365	22·093
32981	10	6·311	22·320
32982	13	6·955	22·385

32983	10	8·524	22·062
32984	9	8·615	22·526
32985	13	8·940	22·872
32986	21	13·283	22·301
32987	10	14·875	22·852
32988	17	17·462	22·120
32989*	27	17·489	22·203
32990	12	20·927	22·927
32991	10	23·680	22·977
32992	10	24·757	22·169
32993	10	24·800	22·329
32994*	26	1·719	23·847
32995	11	5·204	23·172
32996	15	9·660	23·536
32997	20	12·041	23·735
32998	13	13·404	23·522
32999	10	15·675	23·058
33000	13	21·479	23·595
33001	11	22·039	23·784
33002	22	23·759	23·902
33003	12	11·648	24·563
33004	10	17·537	24·208
33005	12	17·962	24·745
33006	12	18·340	24·005
33007	11	23·157	24·663
33008	15	5·125	25·980
33009	22	7·305	25·680
33010	10	13·006	25·499
33011	12	15·760	25·269
33012*	40	16·210	25·022
33013	12	17·564	25·199
33014	10	18·946	25·434
33015	20	20·480	25·960
33016*	40	21·459	25·843

R. A. 15h 4m

Plate 2246 ; 1903 Apr. 22.

Provisional Constants.

A	B	C
−·00067	+·00159	−·1271

D	E	F
−·00151	−·00059	+·1186

Mag. = 16·6 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
33101	12	7·377	0·382
33102	13	16·934	0·254
33103	15	20·510	0·105
33104*	33	21·095	0·290
33105	40	2·054	1·399
33106	16	11·869	1·511
33107	10	13·760	1·161
33108	13	16·430	1·554
33109	11	16·924	1·930
33110	14	18·237	1·682
33111	12	21·180	1·514
33112*	22	23·627	1·251
33113	14	24·929	1·561
33114	17	2·818	2·499
33115	9	8·230	2·899
33116	14	9·729	2·084

33117	12	16·835	2·798
33118	14	17·978	2·720
33119*	31	18·540	2·800
33120	14	20·687	2·450
33121*	29	25·044	2·945
33122	14	1·862	3·772
33123	15	5·042	3·553
33124	14	6·050	3·502
33125	11	15·331	3·517
33126	9	18·343	3·176
33127	11	18·344	3·176
33128	10	20·510	3·389
33129	12	6·059	4·776
33130	11	11·984	4·122
33131	12	14·069	4·607
33132	12	18·449	4·905
33133	10	19·130	4·171
33134	12	21·334	4·577
33135	14	22·125	4·479
33136*	30	2·418	5·588
33137*	33	9·539	5·852
33138	11	11·355	5·280
33139	10	12·249	5·960
33140*	28	15·273	5·460
33141*	28	17·544	5·696
33142	15	17·811	5·722
33143	13	18·716	5·728
33144	9	18·776	5·530
33145*	33	21·001	5·410
33146	29	21·118	5·140
33147	14	25·634	5·680
33148	9	13·976	6·422
33149	13	16·159	7·410
33150	11	18·813	7·678
33151	13	20·593	7·472
33152	9	23·679	7·773
33153	14	24·900	7·354
33154	14	0·357	8·875
33155*	30	5·020	8·834
33156	12	5·333	8·786
33157	11	13·484	8·785
33158	11	20·360	8·789
33159	12	20·675	8·322
33160	14	20·811	8·601
33161	10	23·389	8·009
33162	21	0·920	9·931
33163	11	4·303	9·080
33164	9	6·547	9·510
33165	10	8·495	9·488
33166	21	13·958	9·149
33167*	41	15·375	9·553
33168	14	17·415	9·028
33169	10	19·292	9·744
33170	24	21·579	9·230
33171	10	22·968	9·852
33172	15	25·641	9·220
33173	15	7·053	10·496
33174	10	7·321	10·460
33175	10	7·520	10·841
33176*	21	9·420	10·961
33177	11	10·431	10·520
33178	11	14·786	10·571
33179	14	21·090	10·319
33180	12	21·925	10·320
33181	22	22·188	10·821
33182	20	23·807	10·458
33183	15	2·153	11·840
33184	18	2·590	11·085
33185	12	2·950	11·575
33186	10	6·337	11·075
33187	14	7·724	11·733
33188	13	9·764	11·041
33189	14	13·966	11·764
33190	12	14·928	11·373

33191	10	19·222	11·617
33192	11	25·071	11·253
33193	18	1·236	12·282
33194	21	6·265	12·146
33195	15	7·602	12·556
33196	13	10·671	12·114
33197	10	11·425	12·519
33198	11	12·219	12·250
33199	21	12·285	12·677
33200	13	13·856	12·567
33201	13	14·257	12·311
33202	10	16·161	12·209
33203	13	2·325	13·074
33204	19	3·986	13·109
33205	10	8·990	13·653
33206	13	15·430	13·980
33207*	46	19·921	13·701
33208	14	21·004	13·332
33209	15	2·950	14·314
33210	23	3·230	14·532
33211	21	7·169	14·930
33212	18	8·010	14·044
33213	12	11·843	14·598
33214	10	14·774	14·850
33215	11	14·931	14·207
33216	10	18·344	14·484
33217	13	18·350	14·450
33218*	31	5·127	15·850
33219	14	5·875	15·824
33220	13	7·414	15·570
33221*	28	11·097	15·150
33222	11	13·260	15·458
33223	21	16·846	15·547
33224	14	17·610	15·351
33225	10	19·523	15·194
33226*	30	19·618	15·805
33227	13	21·907	15·160
33228	13	23·625	15·286
33229	12	4·385	16·044
33230	14	5·585	16·925
33231	14	9·022	16·366
33232	17	10·574	16·573
33233	11	17·803	16·475
33234	11	18·833	16·610
33235	9	19·790	16·534
33236	14	22·689	16·161
33237	12	25·227	16·510
33238	15	1·785	17·790
33239	14	2·156	17·805
33240	14	5·010	17·955
33241	12	7·664	17·300
33242	10	8·151	17·752
33243	19	10·794	17·546
33244*	30	13·769	17·334
33245	10	14·429	17·357
33246	9	15·253	17·105
33247	21	17·766	17·380
33248	11	18·139	17·467
33249	11	18·927	17·379
33250	14	21·569	17·271
33251	14	3·107	18·303
33252	11	4·904	18·150
33253	13	5·422	18·613
33254	11	6·328	18·930
33255*	37	6·934	18·543
33256	11	9·384	18·758
33257	12	14·324	18·276
33258	10	17·150	18·866
33259	10	17·304	18·088
33260	20	24·755	18·955
33261	26	25·518	18·830
33262	28	2·280	19·199
33263	14	3·162	19·355
33264	18	5·823	19·250

33265	22	6·233	19·529
33266	12	7·135	19·397
33267	9	7·399	19·262
33268	8	7·431	19·061
33269*	37	8·337	19·852
33270	14	8·600	19·579
33271	10	8·665	19·257
33272	27	10·123	19·150
33273	13	22·779	19·187
33274	12	25·846	19·207
33275	10	2·478	20·461
33276	14	3·748	20·754
33277	10	7·283	20·052
33278*	29	8·204	20·985
33279	12	10·867	20·597
33280	13	17·221	20·661
33281	12	19·520	20·673
33282	15	2·306	21·274
33283	13	5·412	21·520
33284	10	8·400	21·950
33285	15	8·946	21·164
33286	11	9·647	21·270
33287	18	10·360	21·100
33288	10	17·625	21·110
33289	14	19·815	21·699
33290	13	21·910	21·007
33291	14	22·627	21·678
33292	12	23·334	21·818
33293	11	23·559	21·120
33294*	33	24·975	21·706
33295	9	10·616	22·468
33296	12	11·007	22·090
33297	9	14·124	22·560
33298	12	18·786	22·590
33299	14	18·958	22·276
33300	23	24·019	22·449
33301	9	24·099	22·459
33302	22	24·814	22·492
33303	19	4·536	23·479
33304	18	6·729	23·233
33305	8	11·996	23·512
33306	20	13·625	23·574
33307	9	15·194	23·960
33308	27	16·529	23·146
33309	14	17·438	23·609
33310	33	20·062	23·024
33311	12	20·053	23·385
33312*	38	23·773	23·277
33313	29	25·249	23·154
33314	39	0·871	24·130
33315	14	12·810	24·158
33316	16	21·614	24·368
33317	14	23·925	24·832
33318	33	7·150	25·390
33319	11	13·983	25·457
33320	12	15·556	25·280
33321	19	19·900	25·690

R. A. $15^h 13^m$

Plate 2247 ; 1903 Apr. 22.

Provisional Constants.

A	B	C
−·00060	+·00298	−·0824
D	**E**	**F**
−·00269	−·00073	+·0368

Mag. = 16·9 − 1·36 $\sqrt{d}$

No.	d	x	y
33401*	25	4·165	0·342
33402	20	5·468	0·630
33403	11	10·411	0·919
33404*	23	13·900	0·626
33405	12	14·593	0·120
33406	9	16·428	0·012
33407	34	19·275	0·162
33408*	60	20·727	0·747
33409*	48	0·306	1·222
33410	23	1·614	1·505
33411	11	7·582	1·604
33412	9	8·604	1·178
33413	10	8·745	1·655
33414*	21	9·520	1·321
33415	10	12·827	1·880
33416	10	14·006	1·155
33417*	14	14·650	1·352
33418	9	17·124	1·234
33419	10	18·362	1·287
33420*	19	19·370	1·160
33421*	18	20·535	1·200
33422	10	21·377	1·826
33423	14	23·755	1·574
33424*	43	1·755	2·884
33425	12	6·660	2·406
33426	11	6·809	2·354
33427	10	10·438	2·087
33428	10	12·300	2·387
33429	23	14·990	2·734
33430	14	18·565	2·883
33431	10	19·188	2·272
33432	15	19·783	2·010
33433*	39	21·195	2·257
33434	20	5·315	3·380
33435	11	6·340	3·830
33436	11	6·645	3·076
33437	12	8·252	3·205
33438	10	18·939	3·811
33439	9	18·762	3·941
33440	20	22·420	3·347
33441	13	4·435	4·108
33442	13	5·032	4·950
33443*	30	7·375	4·760
33444	12	7·949	4·544
33445*	50	17·371	4·358
33446*	16	20·412	4·148
33447	15	20·524	4·475
33448	20	22·874	4·931
33449	10	23·585	4·661
33450	20	2·406	5·607
33451*	34	4·196	5·318
33452	9	7·346	5·492
33453*	30	7·445	5·640
33454	14	9·415	5·837
33455	10	12·264	5·615
33456	22	13·833	5·120

33457	9	14·104	5·143
33458	8	19·014	5·672
33459	10	19·160	5·355
33460	10	23·496	5·115
33461	10	24·237	5·733
33462	15	25·094	5·931
33463	13	3·475	6·670
33464	10	8·641	6·580
33465	19	10·780	6·240
33466	16	13·135	6·460
33467	11	14·650	6·491
33468	10	15·359	6·847
33469	12	21·194	6·291
33470*	18	21·860	6·585
33471	12	25·820	6·759
33472	14	0·205	7·981
33473	28	1·705	7·292
33474	12	3·265	7·372
33475	13	5·250	7·240
33476	9	7·746	7·940
33477	10	10·280	7·283
33478	10	10·670	7·500
33479	10	12·639	7·843
33480*	18	13·990	7·565
33481	10	18·616	7·635
33482	13	23·557	7·201
33483	11	24·064	7·527
33484	10	7·766	8·324
33485	23	10·567	8·765
33486	9	11·690	8·840
33487	10	15·316	8·737
33488*	32	19·751	8·185
33489	9	20·136	8·959
33490	9	20·157	8·165
33491	10	24·694	8·300
33492	11	25·684	8·612
33493	20	2·485	9·144
33494	10	6·208	9·023
33495*	31	8·325	9·620
33496*	25	11·257	9·227
33497	10	13·590	9·011
33498*	31	13·650	9·442
33499*	30	13·700	9·755
33500	15	15·360	9·459
33501	10	20·790	9·022
33502	16	21·637	9·771
33503	15	21·733	9·489
33504	9	24·163	9·771
33505	40	0·680	10·421
33506	9	3·068	10·181
33507	10	6·291	10·097
33508	10	9·592	10·715
33509	9	11·814	10·699
33510	12	12·650	10·167
33511	12	0·683	11·741
33512	12	1·960	11·190
33513	10	5·088	11·680
33514	10	6·326	11·795
33515	10	12·278	11·363
33516	10	13·482	11·444
33517	14	13·804	11·013
33518	9	13·894	11·304
33519	14	14·739	11·876
33520*	21	15·300	11·982
33521	16	3·350	12·299
33522	10	5·717	12·976
33523	10	5·907	12·442
33524	10	12·176	12·720
33525	12	14·843	12·885
33526	13	17·016	12·565
33527	11	20·424	12·986
33528*	27	24·331	12·609
33529	10	24·633	12·815
33530	12	3·244	13·152

33531	14	14·864	13·270
33532	19	15·178	13·560
33533*	35	17·962	13·689
33534	10	19·949	13·022
33535*	24	20·925	13·695
33536	27	20·950	13·686
33537	9	22·320	13·534
33538	10	23·687	13·039
33539	10	24·985	13·666
33540	20	3·814	14·174
33541	10	3·930	14·781
33542	14	5·057	14·058
33543	9	10·130	14·869
33544	20	11·469	14·799
33545	9	14·299	14·498
33546	10	15·266	14·710
33547	20	16·984	14·292
33548	17	18·036	14·605
33549	10	18·570	14·711
33550	10	18·810	14·749
33551	10	22·385	14·154
33552	10	22·765	14·182
33553	10	24·265	14·467
33554	22	0·601	15·251
33555	13	3·086	15·341
33556	9	5·724	15·159
33557	9	8·220	15·034
33558	27	8·931	15·928
33559	12	8·970	15·109
33560	9	8·974	15·125
33561	9	10·047	15·671
33562	20	11·492	15·305
33563	15	11·576	15·240
33564*	50	15·219	15·391
33565	10	17·235	15·314
33566	10	22.378	15·433
33567	8	25·509	15·990
33568	9	25·542	15·777
33569	16	2·230	16·440
33570	13	3·366	16·144
33571	10	6·713	16·825
33572	11	8·940	16·742
33573	10	9·234	16·090
33574*	32	10·645	16·550
33575	24	12·533	16·060
33576	14	13·099	16·386
33577	9	14·854	16·280
33578	14	15·270	16·951
33579	10	17·236	16·910
33580	10	19·423	16·135
33581	12	22·365	16·899
33582*	30	22·445	16·620
33583*	32	24·822	16·214
33584	10	25·642	16·692
33585	11	6·100	17·352
33586	10	11·334	17·415
33587	15	14·749	17·680
33588	10	17·422	17·700
33589	20	19·252	17·955
33590	9	19·460	17·765
33591	12	20·110	17·272
33592	14	24·450	17·787
33593	13	25·474	17·306
33594	12	25·626	17·397
33595	19	25·850	17·303
33596	32	1·806	18·894
33597	32	2·569	18·753
33598	12	3·073	18·764
33599	10	5·955	18·255
33600	20	8·188	18·027
33601	9	9·216	18·096
33602	23	11·001	18·686
33603	11	11·684	18·342
33604	11	13·483	18·682

33605	9	15·300	18·664
33606	12	24·067	18·957
33607	14	2·906	19·12
33608	16	5·369	19·018
33609	10	5·902	19·532
33610	10	6·304	19·416
33611	9	8·925	19·9
33612	10	9·685	19·785
33613	10	11·370	19·124
33614	10	14·305	19·670
33615	17	15·538	19·868
33616	10	19·307	19·740
33617	9	24·024	19·503
33618	12	25·960	19·18
33619	15	3·444	20·89
33620	9	9·893	20·83
33621	9	10·309	20·41
33622	12	11·224	20·39
33623	23	14·535	20·72
33624	8	15·945	20·63
33625	10	16·064	20·97
33626	8	16·505	20·51
33627	9	19·750	20·56
33628	10	20·100	20·33
33629	10	23·574	20·65
33630	25	24·365	20·95
33631	19	0·447	21·79
33632	21	0·656	21·09
33633*	45	2·089	21·641
33634	11	3·480	21·95
33635	9	5·168	21·06
33636	11	5·946	21·55
33637	10	7·926	21·50
33638	10	8·869	21·06
33639	14	9·448	21·79
33640	14	10·010	21·04
33641	10	11·804	21·58
33642	16	13·060	21·07
33643	14	14·025	21·58
33644	10	16·287	21·88
33645	10	16·667	21·18
33646	10	17·706	21·68
33647	14	19·266	21·46
33648	12	21·865	21·32
33649*	40	24·002	21·73
33650	14	24·875	21·31
33651	12	25·475	21·26
33652	35	1·149	22·40
33653	31	1·943	22·43
33654	15	2·071	22·94
33655	13	5·994	22·69
33656	15	10·639	22·35
33657	12	12·828	22·78
33658	10	18·165	22·17
33659	10	20·726	22·44
33660	14	21·790	22·12
33661	13	23·238	22·48
33662*	65	0·922	23·23
33663	42	2·395	23·08
33664	20	7·187	23·89
33665	21	7·732	23·55
33666	13	8·320	23·20
33667	17	9·036	23·20
33668	8	11·081	23·79
33669	12	11·315	23·72
33670	15	12·286	23·25
33671	10	13·483	23·74
33672	9	13·880	23·37
33673	10	21·940	23·50
33674	13	22·224	23·97
33675*	50	22·614	23·04
33676	20	1·105	24·79
33677	30	5·335	24·60
33678	19	5·604	24·98

No.	d	x	y
33679	12	9·935	24·541
33680	20	10·996	24·884
33681	18	13·561	24·287
33682	11	14·090	24·643
33683	9	17·130	24·655
33684	10	17·380	24·854
33685	10	19·250	24·188
33686	10	19·440	24·010
33687	13	20·750	24·853
33688	13	22·303	24·033
33689	11	22·817	24·653
33690	11	22·990	24·525
33691	11	23·034	24·199
33692	20	13·477	25·750
33693*	48	15·812	25·130

R. A. 15h 22m

Plate 2248; 1903 Apr. 22.

Provisional Constants.

A	B	C
−·00051	+·00471	−·2074
D	**E**	**F**
−·00501	−·00037	+·0690

Mag. = 16·7 − 1·36 √d

No.	d	x	y
33701	20	3·255	0·455
33702	15	6·496	0·085
33703	13	9·405	0·919
33704	13	10·592	0·217
33705	10	13·911	0·427
33706	11	14·488	0·955
33707	13	16·238	0·736
33708	12	5·137	1·636
33709	10	6·117	1·800
33710	11	9·980	1·969
33711	13	10·857	1·640
33712	13	11·354	1·122
33713	15	11·805	1·270
33714	21	12·964	1·951
33715	10	13·458	1·011
33716	10	14·200	1·870
33717	10	14·508	1·657
33718	15	14·651	1·714
33719	10	15·270	1·609
33720	10	17·190	1·747
33721	10	18·185	1·601
33722	10	18·235	1·690
33723	11	25·291	1·206
33724	13	5·040	2·478
33725	12	5·504	2·074
33726	10	6·802	2·384
33727	13	8·748	2·464
33728	13	14·257	2·440
33729	11	14·923	2·255
33730	10	17·054	2·020
33731	11	22·380	2·056
33732*	20	4·372	3·239
33733	10	4·710	3·051
33734	14	5·042	3·569
33735	10	8·440	3·109
33736	22	17·900	3·631
33737	12	18·455	3·420
33738	10	23·252	3·933
33739	10	23·626	3·386
33740	22	24·577	3·441
33741	12	0·164	4·779
33742	15	7·317	4·877
33743	10	11·851	4·192
33744	11	12·249	4·200
33745	10	12·360	4·150
33746	10	12·849	4·040
33747	10	13·511	4·112
33748	22	14·815	4·099
33749	13	15·711	4·591
33750	10	20·980	4·133
33751	22	21·588	4·921
33752	13	21·594	4·901
33753	10	21·896	4·512
33754	22	25·295	4·676
33755	18	25·544	4·213
33756	12	25·710	4·722
33757	12	0·840	5·836
33758	17	6·173	5·471
33759	12	8·445	5·555
33760*	33	9·872	5·950
33761	10	11·620	5·777
33762	13	13·815	5·011
33763	10	15·820	5·759
33764*	32	18·164	5·210
33765	17	21·860	5·871
33766	10	22·407	5·304
33767	39	25·850	5·200
33768	13	1·700	6·017
33769	12	2·444	6·827
33770	13	6·851	6·842
33771	10	6·853	6·894
33772	11	13·834	6·779
33773	11	14·593	6·651
33774	10	17·730	6·818
33775*	32	17·850	6·446
33776	10	20·680	6·473
33777*	20	21·436	6·986
33778	11	21·570	6·050
33779	12	0·193	7·320
33780	13	0·705	7·633
33781	12	3·085	7·073
33782	10	4·300	7·520
33783	13	6·480	7·009
33784	19	10·147	7·260
33785	10	11·347	7·123
33786	23	13·144	7·975
33787	11	16·982	7·900
33788	11	20·349	7·940
33789	22	20·573	7·002
33790	13	24·617	7·580
33791	30	25·903	7·247
33792	13	25·984	7·729
33793	10	1·352	8·392
33794	12	2·350	8·682
33795	10	3·987	8·603
33796	10	4·359	8·382
33797*	75	5·282	8·847
33798	12	9·777	8·092
33799	18	11·003	8·833
33800	13	11·144	8·215
33801	10	13·700	8·470
33802	22	13·832	8·032
33803	10	17·646	8·156
33804	10	19·989	8·598
33805	10	22·706	8·986
33806	12	0·854	9·875
33807	11	5·815	9·320
33808	10	6·526	9·462
33809	10	8·540	9·532
33810	12	11·217	9·206
33811	10	11·356	9·133
33812	11	13·302	9·810
33813	10	19·295	9·280
33814	10	20·042	9·911
33815	12	23·824	9·732
33816	17	3·818	10·187
33817	10	7·570	10·765
33818	21	8·928	10·561
33819	10	10·364	10·492
33820	10	10·372	10·311
33821	10	12·633	10·868
33822	10	15·112	10·095
33823	16	16·153	10·332
33824	12	17·225	10·905
33825	12	20·550	10·255
33826	23	23·514	10·697
33827	11	24·290	10·940
33828	13	24·582	10·951
33829	13	24·722	10·531
33830*	48	4·242	11·929
33831	10	6·661	11·504
33832	22	7·423	11·080
33833	10	7·795	11·290
33834	10	9·537	11·100
33835	10	12·457	11·283
33836	11	12·578	11·335
33837	13	13·930	11·291
33838	10	20·695	11·044
33839	10	23·774	11·384
33840	22	25·984	11·512
33841*	32	1·089	12·708
33842	10	1·395	12·906
33843	10	10·490	12·329
33844	22	10·722	12·056
33845	15	15·324	12·245
33846	10	15·770	12·247
33847*	32	19·948	12·693
33848	10	21·128	12·269
33849	13	25·445	12·420
33850	21	25·855	12·474
33851	10	0·460	13·152
33852	11	1·765	13·751
33853	12	4·130	13·108
33854*	28	7·649	13·541
33855	12	11·150	13·763
33856	10	13·727	13·511
33857	24	24·531	13·400
33858*	33	25·150	13·125
33859	24	25·789	13·630
33860	10	3·090	14·024
33861	13	3·677	14·330
33862	10	6·206	14·728
33863	21	8·150	14·240
33864	12	10·405	14·520
33865	13	13·760	14·480
33866	11	13·844	14·900
33867	12	18·777	14·980
33868	13	21·270	14·421
33869	10	22·418	14·274
33870	12	24·311	14·234
33871	10	24·830	14·200
33872	13	25·081	14·105
33873	13	25·301	14·315
33874	10	2·368	15·850
33875	10	3·806	15·268
33876	12	4·650	15·294
33877	10	4·694	15·070
33878	13	4·873	15·711
33879*	18	6·675	15·394
33880	10	7·044	15·794
33881	13	7·215	15·823
33882	12	9·071	15·040
33883	10	14·126	15·499
33884	12	15·003	15·246
33885	11	15·406	15·678
33886	12	19·259	15·442
33887*	28	25·373	15·576
33888*	32	1·662	16·300
33889	10	2·340	16·063
33890	10	2·492	16·762
33891	13	3·153	16·370
33892	10	9·462	16·815
33893	11	14·912	16·100
33894	13	15·727	16·289
33895	12	16·565	16·564
33896	10	20·550	16·268
33897	10	20·764	16·031
33898	13	22·079	16·290
33899*	32	22·989	16·519
33900	13	1·324	17·883
33901	12	2·337	17·379
33902	12	2·492	17·466
33903	13	2·710	17·368
33904	12	3·220	17·497
33905	13	4·100	17·209
33906	11	4·649	17·170
33907	10	7·420	17·758
33908	10	8·931	17·542
33909	15	10·870	17·185
33910	13	13·368	17·486
33911	13	13·742	17·455
33912	18	14·639	17·595
33913	11	16·544	17·820
33914	10	17·540	17·060
33915	23	19·573	17·251
33916	15	19·827	17·299
33917*	21	19·835	17·289
33918	22	22·499	17·820
33919	13	24·244	17·749
33920	10	3·966	18·970
33921	13	12·939	18·629
33922	11	13·391	18·059
33923	10	15·842	18·341
33924	13	16·129	18·191
33925	10	21·234	18·619
33926	10	21·875	18·073
33927	10	22·515	18·301
33928	12	0·966	19·061
33929	11	8·531	19·068
33930	12	11·327	19·189
33931	10	14·602	19·532
33932	19	16·722	19·491
33933	10	17·160	19·125
33934	10	17·582	19·136
33935	10	18·670	19·976
33936	13	20·605	19·850
33937	10	21·512	19·050
33938	11	21·755	19·931
33939	10	22·027	19·764
33940	10	23·537	19·526
33941	27	24·585	19·375
33942	10	25·945	19·030
33943	10	6·484	20·211
33944	11	6·853	20·067
33945	10	12·332	20·556
33946	9	12·349	20·569
33947	10	14·885	20·467
33948	10	17·819	20·629
33949	12	19·522	20·700
33950	11	21·779	20·053
33951	11	23·200	20·926
33952	10	23·509	20·899
33953*	61	23·957	20·536
33954*	39	0·966	21·840
33955	22	1·308	21·052
33956	12	1·827	21·402
33957	11	2·430	21·340
33958	13	6·209	21·393
33959	10	11·983	21·180
33960	11	19·020	21·318
33961	11	20·750	21·152
33962	10	22·558	21·526
33963	13	24·249	21·382
33964	12	0·217	22·601
33965	17	5·037	22·608
33966	12	5·899	22·938
33967	13	15·980	22·979
33968	11	17·355	22·738
33969	10	18·149	22·434
33970	12	21·899	22·330
33971	20	23·060	22·980
33972	10	24·837	22·005
33973	12	25·149	22·061
33974	12	5·450	23·418
33975	12	6·345	23·835
33976	10	7·486	23·289
33977	10	8·674	23·400
33978	10	11·250	23·915
33979	12	16·570	23·486
33980	13	18·115	23·172
33981	10	20·439	23·317
33982	21	20·631	23·656
33983	12	21·670	23·292
33984	15	25·396	23·538
33985	22	25·614	23·149
33986	20	3·402	24·024
33987	41	4·819	24·021
33988	10	15·952	24·751
33989	19	17·585	24·800
33990	13	18·218	24·420
33991	11	20·399	24·470
33992	10	20·554	24·488
33993	13	24·485	24·130
33994	18	25·051	24·497
33995	21	4·527	25·613
33996	12	7·696	25·816
33997	13	11·751	25·944
33998*	37	17·322	25·559
33999	13	20·160	25·880
34000	10	22·635	25·144
34001	13	24·169	25·375

R. A. 15h 31m

Plate 2249; 1903 Apr. 22.

Provisional Constants.

A	B	C
−·00066	−·00742	+·0211
D	**E**	**F**
+·00763	−·00034	−·0745

Mag. = 16·7 − 1·36 √d

No.	d	x	y
34101	19	8·892	0·230
34102*	21	10·505	0·849
34103	13	11·918	0·672
34104*	22	15·555	0·830
34105	13	23·061	0·586
34106*	30	23·839	0·520
34107	10	6·054	1·630
34108	10	8·284	1·290

34109	10	10·062	1·719	34183	13	23·000	7·801	34257*	30	17·320	13·030	34331	11	18·211	20·814
34110	12	10·742	1·026	34184*	19	23·687	7·467	34258*	21	17·653	13·146	34332	10	18·787	20·055
34111	12	11·235	1·382	34185	10	24·149	7·394	34259	11	21·893	13·200	34333	10	19·000	20·720
34112	12	13·370	1·184	34186*	30	24·270	7·546	34260	10	1·255	14·226	34334	12	19·500	20·311
34113	22	14·266	1·771	34187	13	3·737	8·969	34261	11	2·025	14·092	34335	10	19·627	20·376
34114	12	14·906	1·044	34188	10	4·114	8·504	34262	10	2·250	14·300	34336	15	19·792	20·128
34115	10	16·201	1·032	34189	10	4·491	8·769	34263	10	3·179	14·135	34337	10	20·758	20·380
34116	12	16·744	1·224	34190	13	4·877	8·567	34264	13	3·793	14·219	34338	10	22·370	20·883
34117	10	18·573	1·820	34191	13	5·768	8·468	34265	10	4·226	14·203	34339	11	22·438	20·473
34118	14	4·106	2·838	34192	13	5·919	8·517	34266	10	6·168	14·136	34340	10	23·243	20·530
34119	10	7·084	2·966	34193*	37	7·443	8·410	34267	10	9·800	14·840	34341	10	25·906	20·532
34120	10	8·290	2·069	34194	19	9·506	8·489	34268	12	13·290	14·703	34342	12	1·245	21·377
34121	12	12·630	2·820	34195	11	10·953	8·100	34269	22	16·652	14·821	34343	12	3·611	21·280
34122*	29	13·682	2·129	34196	13	16·106	8·693	34270	10	18·198	14·860	34344	22	4·088	21·345
34123	10	16·868	2·632	34197	11	17·273	8·077	34271	13	19·667	14·600	34345	11	5·200	21·710
34124	12	20·094	2·788	34198	10	17·580	8·589	34272	12	21·944	14·623	34346*	105	7·492	21·346
34125*	21	20·912	2·415	34199	11	22·700	8·346	34273	11	25·462	14·239	34347	10	9·668	21·466
34126	25	1·440	3·433	34200	22	24·310	8·482	34274*	32	2·328	15·560	34348	10	11·227	21·374
34127	11	7·785	3·084	34201	12	0·735	9·728	34275	10	5·750	15·207	34349	11	14·207	21·011
34128	10	8·394	3·578	34202	10	20·664	9·601	34276	10	8·135	15·887	34350	11	20·008	21·768
34129	11	9·576	3·424	34203	10	23·075	9·001	34277	12	8·898	15·450	34351	10	20·955	21·088
34130	15	11·603	3·808	34204	10	23·176	9·272	34278	11	13·610	15·524	34352	24	0·070	22·984
34131	13	12·272	3·450	34205	10	23·224	9·400	34279	13	14·623	15·340	34353	11	2·151	22·050
34132	10	12·341	3·770	34206	23	0·431	10·697	34280	21	14·800	15·088	34354	24	6·828	22·875
34133	10	12·400	3·561	34207	10	1·212	10·933	34281	12	17·785	15·758	34355	11	8·644	22·098
34134	22	12·930	3·721	34208	13	1·501	10·942	34282	10	23·032	15·646	34356	10	14·039	22·387
34135	13	21·451	3·549	34209	12	1·642	10·521	34283	10	23·837	15·938	34357	15	15·711	22·206
34136	13	21·675	3·340	34210	10	6·660	10·615	34284	18	24·044	15·074	34358	11	16·098	22·900
34137	13	22·665	3·867	34211*	30	7·058	10·987	34285	12	25·327	15·296	34359	12	16·736	22·637
34138	21	2·164	4·660	34212	10	8·839	10·947	34286	10	25·442	15·081	34360	10	17·004	22·849
34139	15	2·410	4·196	34213	13	16·835	10·964	34287	11	5·945	16·360	34361	11	19·178	22·360
34140	12	2·580	4·705	34214	15	17·285	10·957	34288	10	10·774	16·425	34362	10	20·524	22·801
34141*	31	3·140	4·203	34215	10	19·880	10·359	34289	11	11·549	16·859	34363	10	24·404	22·486
34142	11	3·891	4·046	34216	10	19·888	10·369	34290	10	11·651	16·522	34364	12	25·660	22·460
34143	13	9·062	4·901	34217	11	22·182	10·250	34291	11	13·984	16·089	34365	12	25·979	22·100
34144	11	12·222	4·834	34218	10	23·544	10·430	34292	12	14·540	16·232	34366	12	2·413	23·523
34145	10	14·373	4·985	34219	22	2·906	11·491	34293	10	15·770	16·370	34367	22	2·628	23·130
34146*	62	17·641	4·934	34220	10	3·006	11·072	34294	10	18·626	16·180	34368	10	11·297	23·860
34147	13	21·620	4·982	34221	13	3·397	11·350	34295	12	19·794	16·090	34369	12	11·935	23·542
34148	13	21·765	4·201	34222	11	6·572	11·416	34296	12	1·215	17·742	34370	10	16·058	23·366
34149	15	24·366	4·614	34223	10	6·682	11·763	34297	22	3·413	17·411	34371*	49	22·268	23·658
34150	22	24·704	4·418	34224	12	7·650	11·414	34298	18	4·024	17·051	34372	18	2·075	24·484
34151*	32	2·726	5·182	34225	10	10·190	11·208	34299	15	5·527	17·638	34373	30	3·366	24·800
34152	13	4·947	5·962	34226	11	11·120	11·171	34300	10	6·651	17·530	34374	32	4·610	24·515
34153	10	6·250	5·528	34227	13	13·774	11·104	34301	13	7·285	17·377	34375	25	4·989	24·104
34154	19	7·351	5·765	34228	23	14·060	11·685	34302	10	15·694	17·511	34376	12	6·919	24·241
34155*	26	13·469	5·200	34229	11	23·024	11·456	34303	10	20·741	17·275	34377	10	15·428	24·919
34156	10	14·200	5·568	34230	12	23·900	11·804	34304	11	21·709	17·638	34378*	28	18·915	24·424
34157	12	15·729	5·220	34231	13	23·993	11·818	34305	13	24·210	17·311	34379	10	21·605	24·608
34158*	31	17·407	5·378	34232	10	1·616	12·537	34306	13	25·860	17·043	34380	12	21·832	24·964
34159	12	23·090	5·919	34233	12	2·377	12·407	34307	13	12·465	18·831	34381	23	23·564	24·959
34160	12	24·330	5·449	34234	22	2·786	12·455	34308	12	12·975	18·278	34382	12	1·198	25·368
34161	11	25·924	5·572	34235	31	3·490	12·401	34309	12	15·109	18·136	34383	40	3·465	25·149
34162	10	4·815	6·191	34236	12	4·424	12·698	34310	19	16·200	18·723	34384	10	8·232	25·071
34163	13	6·382	6·242	34237	12	4·785	12·090	34311	13	21·196	18·579	34385	12	12·453	25·533
34164	10	6·568	6·755	34238	10	5·710	12·414	34312	13	22·732	18·062	34386	12	14·900	25·807
34165	13	11·339	6·770	34239	11	6·139	12·688	34313	10	24·824	18·527	34387	22	15·320	25·524
34166	10	13·182	6·650	34240	10	6·559	12·708	34314	10	25·656	18·714	34388	20	16·454	25·037
34167	23	15·415	6·946	34241	10	11·135	12·729	34315	22	1·570	19·368	34389*	43	23·584	25·291
34168	9	16·148	6·580	34242	12	13·080	12·068	34316	10	2·925	19·009	34390	22	25·032	25·525
34169	10	19·324	6·419	34243	10	13·880	12·697	34317	10	5·036	19·251				
34170	11	19·403	6·280	34244	10	16·969	12·130	34318	16	5·730	19·955				
34171	13	19·931	6·843	34245	11	20·387	12·530	34319	10	7·150	19·842				
34172*	47	20·275	6·259	34246	23	1·471	13·390	34320	12	7·474	19·979				
34173	10	24·125	6·387	34247*	40	2·086	13·112	34321	23	7·894	19·720				
34174	10	25·894	6·558	34248	31	2·730	13·611	34322	10	10·300	19·584				
34175	13	1·510	7·570	34249	10	3·163	13·135	34323	18	11·120	19·215				
34176	21	2·795	7·229	34250	10	3·696	13·533	34324	11	20·755	19·424				
34177	13	2·878	7·710	34251	10	7·583	13·499	34325	11	21·190	19·422				
34178	10	9·142	7·527	34252	13	11·049	13·760	34326	10	22·217	19·142				
34179	11	12·720	7·786	34253	13	11·101	13·822	34327	21	22·954	19·945				
34180	13	13·495	7·149	34254	12	12·050	13·280	34328*	55	0·950	20·531				
34181	11	17·040	7·118	34255	10	12·931	13·829	34329	10	9·663	20·624				
34182	22	19·209	7·655	34256*	21	16·179	13·990	34330	13	9·915	20·619				

R. A. 15h 40m

Plate 2250; 1903 Apr. 22.

Provisional Constants.

A	B	C
−·00082	−·00211	−·0415
D	**E**	**F**
+·00238	−·00055	+·0037

Mag. = $17·2 - 1·36\sqrt{d}$

No.	*d*	*x*	*y*
34401*	60	0·395	0·437
34402	30	4·585	0·03
34403*	38	8·280	0·38
34404	17	9·328	0·114
34405	9	10·073	0·73
34406	20	11·840	0·35
34407	10	12·500	0·564
34408	23	15·590	0·01
34409	14	15·890	0·02
34410	15	16·034	0·80
34411	13	19·260	0·09
34412	10	19·782	0·97
34413	12	21·295	0·02
34414	14	21·464	0·68
34415	14	23·477	0·42
34416	19	4·220	1·91
34417	12	4·313	1·95
34418	13	4·939	1·04
34419	22	6·147	1·70
34420*	40	11·331	1·22
34421	8	15·344	1·45
34422	9	16·600	1·14
34423	14	25·506	1·60
34424	11	13·032	2·62
34425	17	14·041	2·451
34426	15	14·770	2·70
34427	10	17·862	2·30
34428*	30	18·812	2·24
34429	10	19·711	2·57
34430*	27	22·400	2·72
34431	12	24·116	2·28
34432	23	24·364	2·731
34433	13	5·320	3·66
34434*	37	5·479	3·16
34435	12	5·831	3·36
34436	11	15·178	3·78
34437	10	15·546	3·66
34438	11	17·168	3·955
34439	12	18·110	3·611
34440	10	21·789	3·06
34441*	30	24·424	3·47
34442	11	25·834	3·83
34443	27	1·020	4·515
34444	30	1·357	4·315
34445*	45	4·376	4·564
34446	20	4·896	4·36
34447	12	5·446	4·409
34448	10	8·508	4·66
34449	21	8·767	4·455
34450	14	11·453	4·58
34451	9	11·963	4·98
34452	11	15·286	4·291
34453	10	20·684	4·381
34454	17	22·572	4·86
34455*	29	23·496	4·944
34456	20	1·010	5·35

No.	d	x	y
34457	15	2·606	5·435
34458	10	8·450	5·748
34459	20	8·740	5·091
34460	9	9·365	5·123
34461	9	11·075	5·929
34462	10	11·892	5·340
34463	10	20·779	5·761
34464	14	23·716	5·288
34465	11	24·096	5·886
34466	12	24·861	5·410
34467	13	0·825	6·294
34468	15	2·600	6·420
34469	13	2·865	6·346
34470	21	4·518	6·432
34471	12	6·474	6·920
34472	13	12·185	6·798
34473	14	13·900	6·150
34474*	31	15·010	6·656
34475	23	18·510	6·730
34476	14	20·640	6·826
34477	10	22·371	6·490
34478	10	24·671	6·808
34479*	36	0·414	7·385
34480*	49	1·001	7·451
34481	14	3·568	7·977
34482	10	4·914	7·396
34483	13	4·972	7·878
34484	14	5·458	7·712
34485	14	7·691	7·568
34486	13	19·444	7·565
34487	11	19·730	7·144
34488	10	20·250	7·176
34489	11	20·668	7·939
34490	10	21·101	7·804
34491	8	22·381	7·275
34492	35	1·065	8·385
34493	18	3·192	8·680
34494*	22	3·207	8·682
34495	9	6·459	8·289
34496	10	7·557	8·070
34497	15	9·092	8·931
34498	15	10·939	8·727
34499	9	12·313	8·645
34500	10	16·692	8·619
34501	13	21·275	8·780
34502	10	7·150	9·464
34503	11	13·578	9·440
34504	23	15·396	9·656
34505	9	19·675	9·810
34506	12	24·320	9·463
34507	25	24·626	9·395
34508*	28	8·314	10·495
34509	10	14·011	10·260
34510	11	14·569	10·999
34511	10	20·618	10·089
34512	10	20·639	10·011
34513	14	24·366	10·133
34514	16	0·740	11·715
34515	27	0·829	11·726
34516	14	3·497	11·080
34517	17	4·381	11·600
34518	10	5·873	11·013
34519*	32	8·350	11·128
34520	22	9·164	11·500
34521	10	9·949	11·540
34522	11	12·549	11·696
34523	10	16·921	11·407
34524	15	18·436	11·486
34525*	50	21·013	11·577
34526	10	21·737	11·500
34527	12	23·860	11·913
34528	12	23·926	11·868
34529	10	6·300	12·019
34530	12	6·340	12·442

No.	d	x	y
34531	13	9·336	12·585
34532	16	10·218	12·692
34533	9	10·664	12·023
34534	15	16·250	12·527
34535	10	16·298	12·134
34536	12	19·675	12·277
34537	12	21·364	12·800
34538	10	21·513	12·702
34539	14	22·172	12·628
34540	11	23·275	12·452
34541	10	25·320	12·113
34542	10	25·371	12·129
34543	15	2·916	13·820
34544	25	5·161	13·666
34545	9	9·113	13·389
34546	10	9·535	13·777
34547	10	11·696	13·558
34548	11	11·739	13·635
34549	14	12·456	13·540
34550	12	12·638	13·799
34551	21	13·018	13·990
34552	10	13·870	13·923
34553	11	16·140	13·151
34554	10	20·493	13·347
34555	22	21·750	13·967
34556	33	0·966	14·984
34557	12	2·363	14·111
34558	12	2·363	14·949
34559	10	4·744	14·163
34560	10	7·086	14·510
34561	10	7·306	14·640
34562	12	7·373	14·043
34563	18	9·549	14·224
34564	16	11·929	14·059
34565	21	12·896	14·177
34566	24	15·188	14·653
34567	23	19·125	14·200
34568	10	19·515	14·391
34569*	38	20·306	14·941
34570	13	23·811	14·505
34571	10	24·910	14·957
34572	10	25·431	14·159
34573	13	2·255	15·168
34574	25	3·033	15·320
34575	10	4·195	15·258
34576	10	5·991	15·011
34577	9	6·124	15·315
34578	9	6·320	15·858
34579*	30	7·215	15·687
34580	19	10·063	15·250
34581*	32	10·945	15·181
34582	14	15·329	15·709
34583	18	20·083	15·491
34584	11	21·946	15·405
34585	10	22·214	15·120
34586	18	24·156	15·308
34587	12	24·808	15·547
34588	20	2·832	16·902
34589	12	6·155	16·391
34590	26	7·551	16·713
34591	12	10·770	16·370
34592	11	15·300	16·665
34593	13	19·062	16·689
34594	11	19·252	16·887
34595	10	23·044	16·726
34596	24	24·660	16·600
34597	28	1·188	17·214
34598	32	3·749	17·144
34599	11	4·320	17·346
34600	9	5·950	17·937
34601	12	11·200	17·494
34602	10	14·976	17·027
34603	15	15·270	17·760
34604	10	17·022	17·825

No.	d	x	y
34605	10	17·310	17·900
34606	9	19·044	17·550
34607	15	19·119	17·906
34608	17	19·284	17·730
34609	20	21·585	17·147
34610	13	25·005	17·205
34611	13	25·880	17·666
34612	17	5·015	18·559
34613	10	10·391	18·366
34614	11	13·508	18·527
34615	9	13·705	18·280
34616	10	14·754	18·791
34617	10	15·615	18·960
34618	12	19·012	18·532
34619	10	25·484	18·306
34620	42	0·000	19·878
34621	23	5·079	19·338
34622	9	7·900	19·318
34623	10	8·721	19·646
34624	10	14·426	19·685
34625	11	15·360	19·080
34626	14	18·310	19·722
34627	10	24·970	19·487
34628	32	25·977	19·460
34629	10	4·363	20·955
34630	14	5·986	20·273
34631	12	6·059	20·491
34632	15	11·139	20·066
34633	9	12·808	20·695
34634	10	16·051	20·638
34635	10	17·000	20·260
34636	10	18·091	20·575
34637	9	18·505	20·412
34638*	32	19·310	20·125
34639	10	19·989	20·491
34640	11	20·665	20·836
34641	9	21·006	20·696
34642	10	21·335	20·655
34643	12	21·380	20·684
34644	9	22·327	20·391
34645	9	22·635	20·581
34646	12	24·132	20·214
34647	14	3·078	21·951
34648	20	3·245	21·880
34649	22	3·310	21·676
34650	10	6·080	21·390
34651	9	6·656	21·460
34652	12	7·008	21·970
34653	12	7·246	21·270
34654	12	7·873	21·660
34655	8	9·994	21·351
34656*	50	10·950	21·480
34657	10	12·127	21·590
34658	13	13·241	21·033
34659	13	14·758	21·905
34660	15	15·574	21·857
34661	11	17·056	21·367
34662*	22	18·921	21·788
34663*	31	23·170	21·104
34664	16	2·766	22·326
34665*	49	4·127	22·553
34666	13	5·134	22·555
34667	18	6·530	22·733
34668	18	7·347	22·335
34669	31	7·508	22·593
34670	10	9·196	22·537
34671	13	13·920	22·777
34672	10	16·475	22·896
34673	17	21·077	22·780
34674*	41	25·490	22·743
34675	20	4·693	23·161
34676	19	5·998	23·733
34677	12	8·355	23·567
34678	10	17·696	23·580

No.	d	x	y
34679	22	20·350	23·095
34680	11	21·455	23·799
34681	10	21·666	23·745
34682	22	22·978	23·161
34683	13	24·888	23·524
34684	50	0·735	24·875
34685	12	8·831	24·554
34686	21	9·105	24·210
34687	17	10·421	24·370
34688*	29	10·464	24·619
34689	11	12·540	24·267
34690	10	14·740	24·132
34691	15	15·351	24·097
34692	20	19·467	24·938
34693	22	23·818	24·835
34694*	80	0·762	25·206
34695	41	2·219	25·405
34696	15	3·072	25·923
34697	14	4·513	25·282
34698	18	8·776	25·967
34699	18	8·844	25·771
34700*	40	9·568	25·342
34701	19	9·800	25·727
34702	20	15·585	25·992
34703	12	17·470	25·796
34704	50	23·224	25·622

R. A. 15h 49m

Plate 2251 ; 1903 Apr. 22.

Provisional Constants.

A	B	C
−·00025	+·00441	−·2654
D	**E**	**F**
−·00461	−·00051	+·0926

Mag. = 17·3 − 1·36 √d

No.	d	x	y
34801	32	2·452	0·570
34802	11	8·982	0·730
34803	12	11·602	0·258
34804	14	12·800	0·681
34805	10	16·715	0·699
34806	10	16·796	0·718
34807	13	17·277	0·558
34808	13	21·881	0·573
34809	16	22·005	0·620
34810	12	1·938	1·609
34811	10	11·944	1·057
34812	10	12·962	1·760
34813	14	13·029	1·184
34814	23	16·720	1·334
34815	14	17·535	1·850
34816	10	21·320	1·826
34817	24	23·951	1·796
34818	40	0·825	2·764
34819	18	9·206	2·206
34820	13	10·984	2·187
34821	12	13·710	2·460
34822	11	15·357	2·105
34823	10	19·687	2·308
34824	10	20·109	2·120
34825	12	20·270	2·305

No.	d	x	y
34826*	58	0·905	3·505
34827	18	4·146	3·228
34828*	40	10·165	3·216
34829	14	10·585	3·014
34830	9	15·987	3·924
34831	17	16·634	3·928
34832	21	17·831	3·117
34833	14	17·937	3·121
34834*	50	0·014	4·998
34835	15	4·250	4·900
34836	13	5·695	4·828
34837	9	8·410	4·525
34838	10	9·384	4·928
34839	21	13·943	4·102
34840	15	14·007	4·505
34841	11	17·051	4·769
34842	10	18·067	4·107
34843	10	21·097	4·263
34844	10	24·557	4·151
34845	16	25·552	4·156
34846	24	0·245	5·335
34847	16	1·395	5·428
34848	31	2·941	5·533
34849	10	10·348	5·910
34850*	20	10·938	5·365
34851	13	11·772	5·196
34852	21	13·500	5·891
34853	10	20·106	5·785
34854	10	21·405	5·628
34855	14	23·902	5·526
34856*	27	23·951	5·557
34857	12	24·111	5·381
34858	11	25·324	5·196
34859	23	4·802	6·213
34860	22	7·750	6·199
34861	9	9·275	6·464
34862	22	9·440	6·995
34863	10	17·870	6·110
34864	10	19·801	6·382
34865	10	4·576	7·143
34866	9	6·183	7·296
34867	10	8·025	7·006
34868	9	11·504	7·406
34869	11	12·625	7·344
34870	10	13·050	7·204
34871	10	18·950	7·806
34872	14	25·616	7·723
34873	9	7·260	8·002
34874*	22	8·357	8·073
34875	9	9·188	8·110
34876	21	13·920	8·247
34877	12	14·360	8·290
34878	20	23·735	8·699
34879	20	24·169	8·877
34880	10	25·475	8·586
34881	17	0·960	9·492
34882	40	1·265	9·416
34883	10	5·093	9·828
34884	11	12·600	9·915
34885	21	13·532	9·370
34886	23	15·205	9·500
34887	14	17·644	9·077
34888	10	25·226	9·071
34889	22	1·022	10·161
34890	9	7·062	10·838
34891	15	9·446	10·695
34892	21	11·868	10·873
34893	10	13·674	10·143
34894	10	16·741	10·520
34895	13	17·376	10·458
34896	10	20·054	10·858
34897	12	22·149	10·709
34898	19	0·565	11·955
34899	27	0·630	11·909

34900	20	5·523	11·858
34901	16	6·310	11·666
34902	11	7·574	11·620
34903	9	9·028	11·227
34904	10	10·572	11·670
34905	20	17·785	11·149
34906	11	19·890	11·755
34907	12	21·045	11·265
34908	8	21·314	11·541
34909	12	25·800	11·950
34910	9	2·083	12·127
34911	11	3·486	12·278
34912	10	4·714	12·884
34913	10	8·335	12·808
34914	13	9·965	12·200
34915	16	10·720	12·918
34916	10	11·005	12·110
34917	13	13·187	12·827
34918	15	15·335	12·345
34919	16	16·504	12·971
34920	9	22·027	12·243
34921	12	24·326	12·335
34922	9	24·910	12·801
34923	12	25·582	12·090
34924	23	25·620	12·230
34925	22	5·229	13·855
34926	9	8·281	13·280
34927	11	9·497	13·865
34928*	30	10·222	13·461
34929	14	11·643	13·050
34930	14	14·269	13·880
34931	15	17·919	13·791
34932	22	18·070	13·462
34933	14	18·684	13·826
34934	10	21·440	13·805
34935	9	22·782	13·060
34936	23	0·589	14·545
34937	14	1·696	14·969
34938	21	6·250	14·720
34939*	31	9·743	14·448
34940	16	13·836	14·976
34941	11	17·110	14·711
34942	11	20·985	14·315
34943	12	21·661	14·296
34944	17	22·065	14·135
34945	12	23·974	14·136
34946	12	24·192	14·045
34947	11	25·637	14·933
34948	33	0·952	15·340
34949	19	1·610	15·560
34950	22	5·235	15·562
34951	19	6·760	15·566
34952	9	9·758	15·577
34953	17	12·554	15·133
34954	9	19·887	15·003
34955	9	25·495	15·585
34956	37	1·492	16·617
34957	13	3·293	16·986
34958	13	3·990	16·830
34959	18	4·732	16·331
34960	17	5·509	16·401
34961*	31	8·355	16·135
34962	17	8·551	16·512
34963	9	9·470	16·054
34964	12	10·019	16·237
34965*	34	10·050	16·240
34966	15	10·114	16·802
34967	11	12·659	16·020
34968	15	16·686	16·826
34969	16	19·005	16·291
34970	10	19·185	16·843
34971	10	19·414	16·936
34972	10	21·910	16·082
34973	17	1·855	17·212

34974	15	2·739	17·650
34975	12	6·055	17·724
34976	12	7·252	17·837
34977	10	10·750	17·730
34978	12	11·485	17·040
34979	10	11·627	17·296
34980	15	12·284	17·270
34981	10	16·748	17·004
34982	12	19·667	17·165
34983	10	20·403	17·509
34984	10	22·449	17·730
34985	10	25·545	17·724
34986	13	2·360	18·304
34987	12	7·740	18·096
34988	24	10·691	18·709
34989	11	13·870	18·236
34990	11	15·719	18·472
34991	10	17·790	18·719
34992*	38	2·883	19·440
34993	19	4·984	19·024
34994	16	5·811	19·720
34995	14	6·776	19·775
34996	11	7·396	19·062
34997	19	9·404	19·256
34998	9	10·140	19·660
34999	10	12·207	19·570
35000	10	12·348	19·609
35001*	37	13·545	19·446
35002	10	13·740	19·770
35003	10	15·298	19·341
35004	20	15·315	19·714
35005	10	19·345	19·939
35006*	33	21·240	19·170
35007	12	23·685	19·055
35008*	33	4·579	20·226
35009	9	8·740	20·827
35010	15	10·590	20·697
35011	11	10·955	20·025
35012	12	10·997	20·716
35013	10	11·016	20·752
35014	16	11·219	20·196
35015	11	16·647	20·759
35016	16	18·226	20·123
35017	10	20·382	20·224
35018	22	21·095	20·113
35019	16	23·064	20·134
35020*	55	0·120	21·159
35021	15	4·330	21·298
35022	11	5·858	21·990
35023	13	7·975	21·740
35024	9	8·118	21·224
35025	10	8·527	21·365
35026	10	9·282	21·960
35027	12	9·295	21·340
35028	10	9·625	21·940
35029	10	10·284	21·250
35030	11	10·890	21·433
35031	9	11·448	21·770
35032	10	16·835	21·185
35033	12	17·424	21·073
35034	13	18·905	21·750
35035	14	21·970	21·962
35036	9	23·933	21·209
35037*	51	2·483	22·738
35038	9	6·901	22·253
35039	20	7·765	22·687
35040	9	12·556	22·530
35041	14	12·696	22·140
35042	10	13·565	22·463
35043	11	19·907	22·325
35044	22	19·959	22·704
35045	10	22·510	22·573
35046	10	23·731	22·092
35047	17	24·753	22·474

35048	13	24·836	22·660
35049	22	6·077	23·568
35050	15	6·164	23·454
35051	16	8·690	23·047
35052	11	9·190	23·916
35053	11	9·561	23·507
35054	12	10·401	23·497
35055	11	11·058	23·032
35056	14	14·750	23·795
35057	11	19·052	23·440
35058	20	19·247	23·732
35059	22	21·097	23·950
35060	9	22·060	23·702
35061*	30	24·835	23·115
35062	32	0·868	24·873
35063	15	9·785	24·764
35064	8	18·664	24·110
35065	19	24·509	24·595
35066	20	25·824	24·130
35067	90	0·297	25·676
35068*	37	6·380	25·560
35069	22	6·664	25·304
35070*	31	8·071	25·316
35071	15	9·682	25·840
35072	10	15·658	25·241
35073	14	20·176	25·571
35074	10	20·530	25·173
35075	16	21·093	25·599
35076	18	22·895	25·297
35077	12	23·471	25·108
35078	23	25·741	25·108

R. A. 15h 58m

Plate 2252; 1903 Apr. 22.

Provisional Constants.

A	B	C
−·00079	+·00258	−·0527
D	**E**	**F**
−·00259	−·00046	+·0389

Mag. = 16·5 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
35101	15	2·690	0·071
35102	21	5·180	0·940
35103	10	5·450	0·814
35104	21	6·702	0·731
35105	36	8·191	0·029
35106	11	8·351	0·120
35107	10	11·025	0·111
35108	12	13·492	0·700
35109	13	16·045	0·780
35110	10	19·511	0·246
35111	15	19·540	0·270
35112	13	22·889	0·672
35113	29	25·793	0·619
35114	33	0·792	1·858
35115	22	4·119	1·611
35116*	31	4·653	1·929
35117	13	4·800	1·291
35118	19	6·749	1·619
35119	10	7·955	1·445
35120	23	13·453	1·427
35121	11	15·094	1·696

35122	13	16·578	1·800
35123	13	17·056	1·480
35124	12	24·794	1·906
35125	12	5·834	2·119
35126	13	10·542	2·151
35127*	85	11·485	2·581
35128	10	12·751	2·783
35129	12	13·906	2·510
35130	24	19·219	2·564
35131	10	22·666	2·149
35132	19	23·650	2·013
35133	11	11·000	3·761
35134	15	12·220	3·069
35135*	18	16·460	3·263
35136*	18	16·880	3·739
35137	12	17·476	3·031
35138	15	19·340	3·821
35139	12	20·010	3·961
35140	15	20·062	3·592
35141	12	21·886	3·551
35142	13	24·150	3·605
35143*	33	24·477	3·118
35144	10	24·675	3·600
35145	22	25·022	3·818
35146	12	2·436	4·187
35147*	43	4·501	4·530
35148	13	9·445	4·530
35149	23	11·855	4·898
35150	11	12·062	4·914
35151*	27	12·270	4·901
35152	12	16·479	4·062
35153	11	17·236	4·086
35154	10	17·514	4·038
35155	13	20·150	4·618
35156	13	21·610	4·234
35157	13	23·876	4·014
35158	12	0·815	5·590
35159*	22	0·862	5·617
35160	12	1·018	5·437
35161	13	5·447	5·966
35162	12	7·783	5·850
35163*	31	8·380	5·762
35164	12	13·474	5·370
35165	17	14·419	5·981
35166	10	17·370	5·574
35167	13	20·447	5·989
35168	13	21·255	5·917
35169	13	21·449	5·841
35170	10	23·776	5·979
35171	12	24·330	5·465
35172	12	25·897	5·950
35173	10	3·362	6·677
35174	11	7·145	6·136
35175	11	8·127	6·775
35176	24	8·414	6·782
35177	10	11·510	6·269
35178	11	11·758	6·777
35179	13	13·525	6·627
35180*	33	14·947	6·399
35181	12	15·170	6·133
35182	11	17·775	6·177
35183	13	20·997	6·722
35184	11	21·150	6·438
35185	27	21·698	6·833
35186	13	22·009	6·781
35187	10	23·665	6·526
35188	12	24·857	6·530
35189	13	25·550	6·760
35190	12	2·566	7·753
35191	13	3·791	7·273
35192	11	5·677	7·768
35193	10	6·183	7·441
35194	10	6·216	7·566
35195	11	7·660	7·877

35196	11	9·264	7·66[illegible]
35197	11	14·215	7·77[illegible]
35198	10	19·660	7·54[illegible]
35199	11	20·161	7·937
35200	11	22·515	7·43[illegible]
35201	12	25·910	7·91[illegible]
35202	12	0·704	8·76[illegible]
35203	12	1·139	8·93[illegible]
35204	12	2·439	8·61[illegible]
35205	21	4·585	8·93[illegible]
35206	11	5·049	8·89[illegible]
35207*	30	5·833	8·22[illegible]
35208	10	8·432	8·96[illegible]
35209	12	10·979	8·02[illegible]
35210	13	11·960	8·98[illegible]
35211	9	22·910	8·81[illegible]
35212	10	22·965	8·24[illegible]
35213	13	23·237	8·28[illegible]
35214	12	24·475	8·53[illegible]
35215*	22	25·793	8·14[illegible]
35216	14	5·394	9·77[illegible]
35217*	38	6·030	9·00[illegible]
35218	11	7·180	9·33[illegible]
35219	12	8·517	9·73[illegible]
35220	10	10·250	9·27[illegible]
35221	11	11·456	9·30[illegible]
35222	13	13·431	9·08[illegible]
35223	12	18·285	9·27[illegible]
35224	11	19·401	9·20[illegible]
35225	11	20·334	9·79[illegible]
35226	10	20·415	9·73[illegible]
35227	12	21·680	9·05[illegible]
35228	20	21·689	9·09[illegible]
35229*	33	25·600	9·76[illegible]
35230	10	4·660	10·16[illegible]
35231	10	6·429	10·49[illegible]
35232	11	16·085	10·88[illegible]
35233	12	17·565	10·24[illegible]
35234	13	19·894	10·80[illegible]
35235	12	22·809	10·85[illegible]
35236	10	23·430	10·26[illegible]
35237	12	2·827	11·97[illegible]
35238	13	3·217	11·06[illegible]
35239	12	3·803	11·12[illegible]
35240	10	7·024	11·34[illegible]
35241	12	8·724	11·25[illegible]
35242	22	11·053	11·15[illegible]
35243	10	16·098	11·71[illegible]
35244	12	17·680	11·62[illegible]
35245	11	21·129	11·41[illegible]
35246	10	21·320	11·85[illegible]
35247	12	22·135	11·92[illegible]
35248	13	23·824	11·20[illegible]
35249	12	1·360	12·3[illegible]
35250	17	2·655	12·2[illegible]
35251	17	3·422	12·8[illegible]
35252	15	4·205	12·8[illegible]
35253	10	8·215	12·33[illegible]
35254	10	8·707	12·24[illegible]
35255	10	17·557	12·22[illegible]
35256	11	18·422	12·4[illegible]
35257	11	23·614	12·8[illegible]
35258	16	24·752	12·54[illegible]
35259	13	4·540	13·9[illegible]
35260	12	6·462	13·1[illegible]
35261	10	7·620	13·3[illegible]
35262	19	8·402	13·5[illegible]
35263	10	10·209	13·4[illegible]
35264	17	13·499	13·8[illegible]
35265	10	17·766	13·2[illegible]
35266	11	18·366	13·3[illegible]
35267	10	20·442	13·5[illegible]
35268	13	23·770	13·2[illegible]
35269	12	1·043	14·1[illegible]

No.	d	x	y
35270	10	1·258	14·098
35271	10	2·719	14·958
35272	12	4·264	14·566
35273	11	5·764	14·073
35274	9	9·158	14·358
35275	12	11·340	14·789
35276*	25	14·216	14·715
35277	10	14·449	14·189
35278	14	15·776	14·189
35279	10	16·190	14·312
35280	10	18·814	14·191
35281	11	19·250	14·268
35282	20	23·310	14·549
35283	10	24·671	14·538
35284	18	4·044	15·860
35285	11	6·815	15·749
35286	11	8·536	15·722
35287	10	10·056	15·166
35288	10	13·177	15·852
35289	10	13·298	15·755
35290	13	19·206	15·262
35291	10	19·355	15·260
35292	21	20·578	15·413
35293*	31	22·524	15·270
35294	10	25·617	15·139
35295	13	4·296	16·652
35296	18	10·094	16·327
35297	11	10·429	16·554
35298	12	15·034	16·117
35299*	29	18·060	16·802
35300	10	21·170	16·380
35301	13	23·799	16·954
35302	13	25·926	16·769
35303	12	7·445	17·192
35304	13	9·777	17·047
35305	11	14·544	17·750
35306	13	21·797	17·632
35307	10	25·162	17·700
35308	22	4·055	18·810
35309	12	4·095	18·517
35310	10	6·285	18·363
35311	11	7·021	18·058
35312	13	9·372	18·449
35313	11	9·405	18·305
35314*	32	17·166	18·410
35315	10	20·690	18·883
35316	12	20·941	18·955
35317	12	0·844	19·120
35318	10	5·065	19·121
35319	11	5·362	19·333
35320	10	8·281	19·313
35321	12	9·512	19·049
35322	10	11·821	19·752
35323*	19	13·689	19·755
35324	10	17·246	19·640
35325	10	17·468	19·789
35326	10	19·280	19·618
35327	12	19·364	19·749
35328	10	19·420	19·714
35329	10	20·179	19·294
35330	25	21·349	19·100
35331	13	0·243	20·209
35332	10	3·595	20·710
35333	12	6·443	20·740
35334*	35	7·648	20·494
35335	13	7·685	20·575
35336	10	12·786	20·296
35337	13	24·194	20·023
35338	13	8·937	21·386
35339	13	10·709	21·118
35340	13	14·582	21·692
35341	10	14·955	21·342
35342	21	19·481	21·690
35343	17	21·514	21·510
35344	15	1·978	22·517
35345	13	2·064	22·703
35346	10	7·964	22·714
35347	12	8·101	22·512
35348	10	11·245	22·568
35349	12	12·636	22·193
35350	10	12·886	22·255
35351	15	14·808	22·780
35352	13	18·032	22·820
35353	14	18·277	22·879
35354	10	23·285	22·447
35355	12	23·289	22·480
35356*	32	2·068	23·156
35357	12	6·056	23·855
35358	10	8·201	23·886
35359	12	9·691	23·883
35360*	53	9·855	23·216
35361	19	11·630	23·324
35362	10	11·879	23·803
35363	10	14·740	23·879
35364	9	14·892	23·358
35365	12	19·782	23·552
35366	13	19·954	23·489
35367*	45	22·137	23·260
35368	10	22·385	23·334
35369	22	1·769	24·644
35370	22	3·074	24·153
35371	15	3·647	24·196
35372	20	9·322	24·470
35373	11	9·949	24·059
35374*	27	11·079	24·377
35375	10	14·821	24·428
35376	10	17·055	24·159
35377	13	25·867	24·327
35378	27	3·012	25·131
35379	22	4·033	25·749
35380*	42	5·466	25·610
35381	12	7·285	25·211
35382	13	8·211	25·421
35383	21	8·557	25·049
35384	15	9·458	25·060
35385*	21	10·293	25·342
35386	18	12·744	25·842
35387	22	14·144	25·247
35388	10	14·257	25·022
35389	12	19·618	25·333

R. A. 16h 7m

Plate 1973; 1902 June 26.

Provisional Constants.

A	B	C
−·00046	+·00244	−·1067
D	**E**	**F**
−·00219	−·00072	−·1093

Mag. = 17·8 − 1·36 $\sqrt{d}$

No.	d	x	y
35401	35	2·361	0·512
35402	21	10·081	0·132
35403*	39	11·238	0·486
35404	15	16·029	0·082
35405	15	21·386	0·101
35406	13	22·695	0·987
35407	18	23·480	0·121
35408	28	0·250	1·948
35409	17	1·387	1·814
35410	12	5·916	1·924
35411	12	7·680	1·714
35412*	41	11·920	1·235
35413	24	13·265	1·287
35414*	26	13·320	1·364
35415	11	13·532	1·752
35416	13	14·237	1·987
35417	12	14·959	1·431
35418	12	23·874	1·314
35419	21	24·023	1·787
35420	12	25·589	1·228
35421*	46	4·220	2·413
35422	11	4·438	2·643
35423*	39	8·976	2·219
35424*	42	9·508	2·226
35425	14	11·405	2·965
35426*	43	12·100	2·090
35427	19	12·357	2·817
35428	10	13·311	2·250
35429	11	14·222	2·543
35430	21	14·429	2·165
35431	18	19·272	2·428
35432	22	19·752	2·293
35433	12	21·919	2·441
35434	13	25·202	2·490
35435	21	0·515	3·943
35436	22	0·779	3·526
35437*	44	1·098	3·034
35438	22	1·300	3·508
35439	33	1·655	3·722
35440	10	8·346	3·208
35441	11	8·426	3·369
35442	10	10·770	3·705
35443	14	16·546	3·333
35444	22	19·437	3·653
35445	10	24·065	3·484
35446	12	2·929	4·572
35447	13	4·035	4·585
35448	10	6·010	4·439
35449	10	9·532	4·219
35450	12	10·758	4·300
35451	19	13·271	4·513
35452	19	13·649	4·904
35453	13	14·638	4·941
35454	12	15·187	4·479
35455	12	15·271	4·287
35456	32	15·503	4·615
35457	30	18·268	4·549
35458	10	19·642	4·039
35459	12	19·892	4·561
35460*	42	20·324	4·633
35461	21	21·320	4·838
35462	10	21·651	4·953
35463	17	25·304	4·104
35464	16	0·452	5·909
35465	22	0·996	5·384
35466	15	2·573	5·835
35467	21	2·805	5·651
35468	14	3·592	5·000
35469	20	8·296	5·781
35470	20	9·769	5·367
35471	15	10·371	5·379
35472	12	10·668	5·980
35473	20	15·841	5·777
35474	20	15·958	5·407
35475	12	21·599	5·332
35476	20	23·461	5·861
35477	20	24·999	5·420
35478	22	1·544	6·436
35479	17	2·243	6·653
35480	11	3·695	6·701
35481	11	4·161	6·851
35482	22	7·300	6·099
35483	16	7·715	6·151
35484	42	10·268	6·192
35485	12	14·691	6·965
35486	20	14·765	6·962
35487	12	16·034	6·241
35488	12	18·577	6·329
35489*	41	21·386	6·753
35490	21	21·714	6·984
35491	22	22·363	6·834
35492	21	22·748	6·833
35493	21	24·621	6·892
35494*	41	24·954	6·291
35495	21	2·626	7·804
35496	19	7·485	7·150
35497	11	7·800	7·066
35498	12	9·723	7·115
35499	13	12·711	7·594
35500	12	19·466	7·130
35501	13	21·236	7·633
35502	13	22·673	7·196
35503	11	23·290	7·202
35504	21	23·916	7·372
35505	12	25·728	7·149
35506	15	1·202	8·443
35507*	38	2·510	8·034
35508	20	3·197	8·275
35509	10	3·366	8·858
35510	12	4·652	8·397
35511*	48	6·931	8·645
35512	12	7·873	8·869
35513	12	10·304	8·620
35514	20	13·567	8·046
35515	10	20·707	8·923
35516	12	21·222	8·916
35517	10	22·071	8·550
35518	12	23·933	8·484
35519*	42	2·351	9·651
35520	12	3·180	9·380
35521	32	4·050	9·532
35522	20	5·721	9·250
35523	22	5·996	9·195
35524	12	9·141	9·626
35525	11	9·299	9·330
35526	22	9·466	9·465
35527	15	11·931	9·491
35528	13	16·274	9·168
35529	32	17·360	9·927
35530*	36	19·325	9·410
35531	10	22·324	9·692
35532*	30	22·670	9·078
35533	10	23·211	9·993
35534	12	24·581	9·291
35535	13	24·881	9·202
35536	13	0·190	10·202
35537*	32	6·486	10·053
35538	10	9·585	10·101
35539	10	10·178	10·970
35540	12	12·532	10·782
35541	30	12·620	10·634
35542	10	14·350	10·843
35543	22	15·633	10·975
35544	15	18·049	10·478
35545	12	19·555	10·418
35546	14	21·495	10·945
35547	18	21·991	10·239
35548*	21	24·597	10·389
35549	12	25·562	10·407
35550	26	25·905	10·355
35551	22	0·605	11·132
35552	18	4·675	11·852
35553	11	5·410	11·704
35554	12	7·281	11·982
35555	12	7·300	11·238
35556	16	7·789	11·102
35557	17	10·939	11·929
35558	12	12·388	11·039
35559	12	13·678	11·400
35560	10	17·487	11·399
35561	15	19·557	11·438
35562	17	19·675	11·409
35563	10	24·229	11·246
35564	12	24·294	11·192
35565	20	24·542	11·533
35566	11	0·430	12·820
35567	21	1·557	12·452
35568	12	3·680	12·947
35569	12	6·634	12·037
35570	12	7·273	12·563
35571	12	10·160	12·087
35572	39	16·477	12·207
35573	10	19·818	12·658
35574	21	22·685	12·111
35575	12	24·519	12·926
35576	21	0·593	13·219
35577	21	3·458	13·582
35578	21	4·638	13·699
35579	14	4·642	13·552
35580	16	6·240	13·081
35581	13	6·380	13·709
35582	21	7·155	13·021
35583	20	11·312	13·492
35584	11	13·201	13·796
35585	11	18·673	13·582
35586	12	21·278	13·455
35587	22	21·508	13·886
35588	35	0·156	14·489
35589	11	1·520	14·447
35590	10	7·079	14·331
35591	10	7·656	14·151
35592	10	8·139	14·394
35593	12	8·831	14·592
35594*	30	9·010	14·421
35595*	29	9·208	14·255
35596	13	9·491	14·291
35597	12	10·631	14·336
35598	11	11·185	14·046
35599*	29	16·549	14·118
35600	22	16·563	14·090
35601	12	19·900	14·027
35602	12	21·124	14·930
35603	21	25·257	14·673
35604	11	25·391	14·680
35605	11	25·646	14·245
35606	19	2·895	15·649
35607	10	7·309	15·711
35608	12	7·469	15·850
35609	22	8·914	15·870
35610	11	9·263	15·177
35611	13	10·070	15·382
35612*	42	12·171	15·675
35613	31	12·377	15·381
35614*	59	12·875	15·849
35615	20	13·152	15·394
35616	12	13·536	15·667
35617	10	13·675	15·182
35618	12	15·580	15·185
35619	30	17·768	15·191
35620	13	18·699	15·240
35621	12	20·950	15·842
35622	19	23·106	15·329
35623	11	24·201	15·615
35624	11	24·852	15·039
35625	10	25·504	15·747
35626	22	0·696	16·882
35627	23	2·818	16·653

R. A. 16h 16m

Plate 1990; 1902 July 11.

Provisional Constants.

A	B	C
−·00018	−·00046	−·0271
D	**E**	**F**
+·00047	−·00053	−·3864

Mag. = 15·9 − 1·36 $\sqrt{d}$

No.	d	x	y
35628	13	5·878	16·778
35629	13	5·918	16·079
35630	12	5·960	16·700
35631	11	8·262	16·768
35632	10	9·098	16·431
35633	11	17·455	16·524
35634	33	17·575	16·530
35635	13	18·043	16·134
35636	15	22·320	16·552
35637	15	22·465	16·268
35638	11	23·208	16·585
35639	10	24·287	16·524
35640	10	2·071	17·602
35641	12	3·670	17·468
35642	11	4·624	17·872
35643	10	6·335	17·521
35644	12	6·429	17·639
35645	10	7·791	17·163
35646	31	9·387	17·569
35647	13	12·642	17·282
35648	10	13·350	17·632
35649	12	14·052	17·327
35650	10	18·850	17·843
35651	12	20·118	17·742
35652	10	21·513	17·953
35653	13	22·985	17·943
35654	16	7·003	18·354
35655	32	11·788	18·297
35656	12	13·914	18·445
35657	22	15·056	18·712
35658*	39	19·255	18·653
35659	14	20·757	18·170
35660	13	24·647	18·431
35661	13	25·866	18·876
35662	26	1·149	19·948
35663	23	5·380	19·295
35664	30	7·904	19·166
35665	12	11·448	19·865
35666	16	12·029	19·740
35667	21	17·065	19·344
35668	12	17·401	19·470
35669	13	25·855	19·606
35670	17	5·245	20·530
35671	17	5·720	20·680
35672	13	6·174	20·226
35673	10	7·471	20·091
35674	12	7·913	20·734
35675	10	7·954	20·061
35676	12	9·308	20·034
35677	12	14·836	20·724
35678	10	16·175	20·933
35679	10	18·812	20·389
35680	12	21·866	20·134
35681	18	22·376	20·502
35682	28	3·192	21·726
35683	10	5·594	21·213
35684	10	5·845	21·967
35685	10	6·169	21·889
35686	16	6·837	21·425
35687	15	8·531	21·643
35688	22	9·223	21·985
35689	20	9·738	21·273
35690	13	10·341	21·628
35691	10	11·962	21·194
35692	11	11·997	21·737
35693	20	12·177	21·578
35694	15	15·579	21·390
35695	35	15·633	21·198
35696	17	16·470	21·279
35697*	53	16·636	21·630
35698	10	16·883	21·769
35699	12	17·380	21·627
35700	22	18·679	21·720
35701	13	20·918	21·005

No.	d	x	y
35702	12	25·506	21·220
35703	22	3·531	22·131
35704	27	5·196	22·825
35705	14	5·226	22·456
35706	16	7·668	22·251
35707	10	8·791	22·999
35708	20	10·315	22·150
35709	12	11·574	22·765
35710	10	12·343	22·974
35711	22	12·685	22·501
35712	12	12·706	22·527
35713	15	12·955	22·013
35714	11	13·349	22·329
35715	12	15·304	22·908
35716	13	17·103	22·713
35717	10	17·300	22·221
35718	20	19·121	22·441
35719*	42	19·555	22·802
35720	23	20·289	22·094
35721	10	20·433	22·417
35722	12	24·605	22·370
35723	17	4·080	23·945
35724	13	4·847	23·191
35725	10	5·263	23·340
35726	22	12·506	23·286
35727	22	15·204	23·361
35728	11	20·370	23·057
35729	12	20·460	23·843
35730	32	25·921	23·589
35731	18	2·909	24·214
35732	17	3·906	24·636
35733	20	6·515	24·735
35734	13	9·998	24·223
35735	10	10·134	24·121
35736	15	12·390	24·910
35737	10	14·005	24·023
35738*	35	16·453	24·808
35739	23	16·695	24·770
35740	12	21·054	24·883
35741	11	21·275	24·310
35742	31	22·506	24·495
35743	12	25·423	24·740
35744	25	3·788	25·014
35745	13	3·985	25·038
35746	27	4·993	25·714
35747	10	6·170	25·491
35748	22	7·921	25·139
35749	13	9·702	25·880
35750	10	12·192	25·933
35751	13	14·758	25·386
35752	10	14·807	25·571
35753	11	18·757	25·565
35754	21	21·149	25·565
35755	12	21·638	25·393

No.	d	x	y
35801	19	2·292	0·990
35802*	30	4·619	0·835
35803	14	4·930	0·854
35804	17	5·310	0·381
35805	14	6·235	0·465
35806*	25	10·316	0·377
35807	17	11·575	0·075
35808	10	12·473	0·669
35809	10	12·899	0·636
35810	14	19·934	0·817
35811	8	20·561	0·540
35812*	12	20·950	0·311
35813	12	22·897	0·565
35814	32	0·739	1·575
35815	10	7·532	1·522
35816	10	8·477	1·440
35817	7	8·693	1·199
35818	14	9·026	1·117
35819	10	9·765	1·218
35820	10	11·320	1·834
35821	15	11·869	1·957
35822	8	13·580	1·510
35823	15	18·976	1·265
35824*	14	20·157	1·585
35825*	29	20·470	1·420
35826	10	21·553	1·669
35827	15	1·930	2·262
35828	10	6·364	2·786
35829	11	6·769	2·943
35830	10	7·671	2·115
35831	10	9·216	2·835
35832	10	9·969	2·109
35833	14	10·300	2·525
35834	11	11·760	2·121
35835	8	15·173	2·769
35836	7	16·685	2·482
35837	8	23·673	2·793
35838	12	24·125	2·717
35839	22	2·064	3·874
35840	9	5·222	3·251
35841	8	9·137	3·825
35842	9	10·608	3·337
35843	17	13·100	3·655
35844	9	14·045	3·758
35845	8	14·749	3·745
35846	9	14·840	3·854
35847	11	15·208	3·816
35848	8	15·275	3·943
35849	11	16·365	3·091
35850	10	17·939	3·142
35851	9	21·100	3·825
35852	14	21·706	3·902
35853	20	22·064	3·851
35854	22	24·626	3·356
35855	12	25·736	3·953
35856	21	3·024	4·049

No.	d	x	y
35857	8	5·384	4·766
35858	12	5·546	4·014
35859	10	6·131	4·122
35860	11	6·419	4·211
35861	18	6·600	4·892
35862	8	8·055	4·114
35863	8	8·926	4·300
35864	8	11·103	4·326
35865	7	15·219	4·626
35866	7	17·834	4·322
35867	12	20·138	4·925
35868	8	21·008	4·477
35869	12	21·212	4·839
35870	10	23·215	4·050
35871	7	23·131	4·689
35872	12	24·387	4·294
35873	22	0·249	5·658
35874	25	1·775	5·191
35875	8	3·274	5·428
35876	9	3·889	5·417
35877	8	6·038	5·533
35878	10	10·421	5·916
35879	14	11·214	5·842
35880	8	14·380	5·234
35881	8	14·429	5·343
35882	9	17·601	5·859
35883	8	18·156	5·692
35884	15	18·210	5·827
35885	8	19·386	5·296
35886	8	20·100	5·935
35887	8	21·283	5·095
35888	16	1·425	6·669
35889*	41	1·749	6·064
35890	17	2·542	6·910
35891	10	3·483	6·855
35892	10	3·606	6·996
35893*	14	6·342	6·880
35894	7	6·510	6·808
35895	9	7·675	6·915
35896	10	9·800	6·446
35897	10	11·271	6·007
35898	12	11·620	6·818
35899	12	12·098	6·715
35900*	31	12·130	6·268
35901	19	14·870	6·361
35902	12	15·874	6·420
35903	14	17·159	6·435
35904	8	20·250	6·520
35905*	22	20·886	6·798
35906	14	23·880	6·998
35907	10	25·852	6·860
35908	15	0·102	7·006
35909	20	0·730	7·164
35910	9	3·941	7·346
35911	18	5·122	7·110
35912	10	7·429	7·870
35913	17	9·801	7·984
35914	8	12·569	7·388
35915	13	14·736	7·625
35916	12	16·722	7·292
35917*	26	17·218	7·686
35918	14	17·650	7·686
35919	8	20·409	7·819
35920	7	21·642	7·099
35921	14	0·764	8·275
35922	12	1·727	8·978
35923	9	3·267	8·261
35924	12	3·669	8·177
35925	8	6·219	8·759
35926	11	8·493	8·365
35927	10	8·689	8·294
35928	10	10·081	8·395
35929	13	15·875	8·632
35930	14	16·272	8·022

No.	d	x	y
35931	13	17·625	8·667
35932	9	21·201	8·135
35933	12	25·212	8·640
35934	9	25·323	8·254
35935	9	25·692	8·709
35936	10	25·958	8·237
35937	20	0·075	9·795
35938	15	1·429	9·073
35939	11	5·256	9·396
35940*	14	6·281	9·146
35941	10	7·056	9·839
35942	11	8·366	9·081
35943	12	10·536	9·725
35944	12	12·192	9·151
35945	10	12·436	9·511
35946	10	13·182	9·311
35947*	33	14·261	9·584
35948	12	15·825	9·192
35949	8	18·019	9·320
35950	10	22·296	9·492
35951	10	22·744	9·780
35952	9	23·426	9·952
35953	15	1·175	10·979
35954*	22	1·465	10·169
35955	12	2·428	10·171
35956	24	2·770	10·114
35957	14	5·535	10·483
35958	20	17·906	10·000
35959	10	18·351	10·882
35960	12	20·545	10·585
35961	10	22·721	10·500
35962	8	23·231	10·727
35963*	28	23·382	10·815
35964	7	24·696	10·763
35965	21	25·251	10·766
35966	13	1·109	11·034
35967	21	1·425	11·313
35968	13	3·122	11·060
35969	20	4·305	11·160
35970	9	6·194	11·342
35971	8	8·031	11·502
35972	8	8·569	11·765
35973	10	9·237	11·245
35974	22	11·999	11·386
35975	20	15·146	11·012
35976	11	20·411	11·706
35977	14	21·280	11·465
35978	9	22·466	11·602
35979	8	22·843	11·779
35980	11	22·857	11·251
35981	13	24·464	11·735
35982	11	25·674	11·501
35983	10	25·789	11·556
35984	8	1·430	12·707
35985	8	5·286	12·840
35986	7	5·915	12·225
35987	9	6·581	12·337
35988	8	6·766	12·200
35989	11	9·522	12·210
35990	15	15·120	12·555
35991	9	19·972	12·665
35992	10	20·672	12·793
35993	10	21·697	12·625
35994	9	21·859	12·785
35995	10	24·431	12·102
35996	12	24·490	12·710
35997	10	25·949	12·577
35998	9	10·191	13·377
35999	14	11·595	13·158
36000	13	20·290	13·977
36001	10	20·607	13·788
36002*	19	21·132	13·639
36003	8	24·165	13·271
36004	12	24·251	13·940

No.	d	x	y
36005	12	25·524	13·327
36006	12	1·800	14·815
36007	16	2·198	14·440
36008	13	2·327	14·444
36009	9	2·582	14·002
36010	10	6·175	14·370
36011	10	8·425	14·035
36012	7	8·993	14·443
36013	10	9·485	14·034
36014	10	9·644	14·778
36015	10	10·489	14·542
36016	11	11·245	14·880
36017	8	13·240	14·470
36018	8	14·765	14·979
36019	9	16·292	14·122
36020	13	17·524	14·915
36021*	70	18·618	14·114
36022	7	19·433	14·874
36023	8	22·725	14·511
36024	21	0·059	15·135
36025	10	1·161	15·400
36026	12	2·463	15·508
36027	12	3·079	15·465
36028	8	3·630	15·677
36029	10	3·952	15·732
36030	10	4·837	15·683
36031	10	6·184	15·726
36032	7	7·650	15·844
36033	15	8·686	15·318
36034	16	9·932	15·400
36035	12	10·349	15·148
36036	9	10·475	15·994
36037	10	11·999	15·674
36038	8	17·763	15·206
36039	22	20·132	15·787
36040	11	20·960	15·698
36041	10	24·929	15·875
36042	6	25·587	15·359
36043	11	1·261	16·309
36044	10	4·611	16·246
36045	8	4·688	16·242
36046	12	8·875	16·310
36047	14	10·865	16·420
36048	9	13·868	16·352
36049	23	16·293	16·086
36050	12	16·813	16·145
36051	11	20·316	16·995
36052	8	22·316	16·425
36053	10	22·847	16·347
36054	13	23·715	16·634
36055	10	24·407	16·620
36056	10	24·886	16·025
36057	9	25·357	16·020
36058	19	4·453	17·706
36059	11	5·270	17·058
36060	9	6·314	17·191
36061	7	8·144	17·990
36062	8	8·560	17·050
36063	12	10·270	17·729
36064	8	11·992	17·023
36065	10	12·870	17·869
36066	9	13·390	17·836
36067	14	15·359	17·290
36068	12	16·700	17·960
36069	13	16·909	17·672
36070*	29	18·179	17·951
36071	11	19·468	17·375
36072	8	21·032	17·980
36073	16	1·652	18·210
36074	10	3·825	18·064
36075	7	4·945	18·198
36076	8	8·745	18·265
36077	8	9·476	18·514
36078	9	13·586	18·606

No.	d	x	y
36079	10	14·380	18·399
36080	12	18·148	18·827
36081	12	18·380	18·011
36082	13	23·366	18·011
36083	10	24·150	18·998
36084	10	24·150	18·580
36085	12	25·908	18·389
36086	15	2·884	19·360
36087	12	4·425	19·090
36088	13	4·639	19·595
36089	12	6·337	19·627
36090	8	10·071	19·491
36091	9	12·937	19·757
36092	10	23·401	19·307
36093	8	23·955	19·879
36094	11	7·155	20·691
36095	8	8·576	20·614
36096	8	10·853	20·845
36097	10	11·009	20·415
36098	10	11·461	20·102
36099	8	19·137	20·214
36100	10	19·348	20·230
36101	7	19·539	20·175
36102	6	21·069	20·330
36103	8	23·372	20·836
36104	13	6·125	21·142
36105	13	6·751	21·701
36106	10	7·483	21·163
36107	8	7·854	21·330
36108	6	9·027	21·698
36109	8	11·098	21·796
36110*	23	11·365	21·530
36111	8	13·712	21·612
36112	11	14·316	21·245
36113	8	16·840	21·486
36114	10	16·882	21·565
36115	8	17·925	21·041
36116	8	19·130	21·640
36117	16	1·681	22·145
36118	15	4·925	22·275
36119	10	5·293	22·690
36120	11	12·036	22·370
36121	6	13·778	22·047
36122	8	14·730	22·044
36123	7	15·370	22·519
36124	9	16·965	22·106
36125	10	17·625	22·847
36126	8	20·112	22·379
36127	29	3·020	23·340
36128	14	7·885	23·825
36129	17	11·850	23·450
36130	10	11·895	23·997
36131	12	11·959	23·740
36132	12	15·505	23·407
36133	8	18·360	23·116
36134	11	22·690	23·410
36135	16	4·477	24·280
36136	12	6·945	24·154
36137	9	8·692	24·841
36138	12	14·731	24·504
36139	12	19·450	24·082
36140	21	20·954	24·004
36141	9	21·056	24·056
36142	13	6·171	25·895
36143*	46	7·550	25·105
36144	18	9·070	25·995
36145	13	11·318	25·377
36146	15	13·997	25·456
36147	12	15·638	25·902
36148	14	20·217	25·747
36149	17	25·065	25·372

R.A. 16h 25m

Plate 1991 ; 1902 July 11.

Provisional Constants.

A	B	C
−·00052	+·00167	−·2412
D	**E**	**F**
−·00191	−·00024	−·3837

Mag. = 16·0 − 1·36 $\sqrt{d}$

No.	d	x	y
36201	21	7·339	0·433
36202	12	8·597	0·107
36203	9	15·531	0·222
36204	10	16·575	0·015
36205	8	17·452	0·004
36206	14	18·216	0·680
36207	10	18·766	0·014
36208	11	19·778	0·514
36209*	20	21·683	0·868
36210	12	23·463	0·330
36211	13	6·444	1·782
36212	7	7·622	1·802
36213	9	9·411	1·250
36214	12	16·054	1·290
36215	12	16·880	1·103
36216	8	20·645	1·785
36217	9	21·651	1·084
36218	17	24·583	1·735
36219	12	25·959	1·359
36220	15	0·119	2·816
36221	23	0·574	2·735
36222	15	3·205	2·572
36223	12	3·223	2·481
36224	22	5·335	2·265
36225	14	7·336	2·664
36226	12	8·883	2·950
36227	8	9·908	2·318
36228	10	11·310	2·817
36229	10	11·751	2·340
36230	17	12·483	2·305
36231	9	15·551	2·162
36232	10	21·677	2·327
36233	10	22·929	2·347
36234	9	23·020	2·862
36235	8	23·180	2·206
36236*	21	25·416	2·305
36237	41	1·087	3·359
36238	19	2·210	3·929
36239	26	2·815	3·899
36240	10	7·809	3·973
36241	9	11·580	3·174
36242	9	12·052	3·188
36243	17	13·590	3·580
36244	11	14·114	3·125
36245	11	15·414	3·145
36246	12	17·656	3·764
36247	27	17·705	3·302
36248	9	17·986	3·135
36249	9	18·285	3·798
36250	12	19·628	3·053
36251	9	19·896	3·154
36252	10	21·249	3·964
36253	9	24·296	3·557
36254	15	24·635	3·105
36255	10	24·819	3·815
36256	15	3·355	4·982

No.	d	x	y
36257	12	3·832	4·215
36258	15	13·390	4·261
36259	22	16·546	4·188
36260	8	17·046	4·582
36261	8	19·464	4·840
36262*	34	21·645	4·655
36263	12	21·885	4·850
36264	15	23·226	4·778
36265*	30	25·320	4·006
36266	11	25·392	4·622
36267	9	5·070	5·459
36268	11	14·865	5·722
36269	22	15·040	5·120
36270	11	15·221	5·065
36271	12	18·227	5·281
36272	8	19·880	5·059
36273	8	19·916	5·894
36274*	30	22·005	5·709
36275	8	23·174	5·545
36276*	30	4·700	6·570
36277	14	4·878	6·172
36278	13	9·039	6·194
36279	13	11·885	6·857
36280	11	13·480	6·084
36281	13	15·280	6·331
36282	18	17·600	6·351
36283	12	19·755	6·815
36284	12	20·166	6·741
36285	8	20·189	6·920
36286*	22	20·705	6·479
36287	10	23·820	6·373
36288	8	24·241	6·078
36289	23	0·421	7·015
36290	14	7·323	7·483
36291	14	11·785	7·630
36292	13	17·791	7·751
36293	11	20·975	7·798
36294	13	21·493	7·111
36295	9	22·150	7·997
36296	10	25·473	7·440
36297	15	1·794	8·629
36298	15	2·274	8·685
36299	14	2·529	8·210
36300	12	4·509	8·257
36301	15	6·449	8·992
36302*	27	22·812	8·238
36303	8	23·156	8·574
36304	8	23·473	8·222
36305	10	23·724	8·341
36306	10	25·190	8·182
36307	8	25·900	8·703
36308	13	5·085	9·636
36309	12	5·449	9·850
36310	12	11·977	9·920
36311	12	12·933	9·857
36312	14	13·331	9·590
36313	13	16·995	9·455
36314	15	17·213	9·255
36315	11	20·803	9·325
36316	16	21·785	9·699
36317	9	22·111	9·989
36318*	48	24·599	9·131
36319	43	0·011	10·842
36320	24	1·881	10·752
36321	12	4·727	10·709
36322	8	6·845	10·753
36323	14	8·668	10·309
36324	12	9·359	10·573
36325	11	9·878	10·800
36326*	37	11·715	10·753
36327	16	15·221	10·926
36328*	31	16·833	10·095
36329	16	18·908	10·381
36330	17	18·937	10·228

No.	d	x	y
36331	19	1·114	11·742
36332	12	2·319	11·479
36333	8	2·437	11·530
36334	13	3·250	11·366
36335	9	4·448	11·081
36336	8	6·313	11·381
36337	12	11·794	11·355
36338	22	15·028	11·505
36339	15	16·068	11·285
36340	8	21·333	11·634
36341	8	22·399	11·466
36342	12	22·560	11·562
36343	8	22·564	11·845
36344	8	24·720	11·094
36345	21	1·163	12·715
36346	9	2·617	12·547
36347*	21	9·005	12·341
36348	15	9·478	12·398
36349	12	12·425	12·301
36350	16	12·920	12·688
36351*	30	17·563	12·815
36352	16	17·688	12·416
36353	10	18·430	12·310
36354	13	20·250	12·717
36355	8	21·434	12·087
36356	8	25·379	12·221
36357	8	25·445	12·657
36358	12	25·909	12·588
36359	15	0·955	13·948
36360	16	2·211	13·308
36361	10	2·950	13·771
36362	8	6·027	13·250
36363	8	7·470	13·965
36364	10	8·393	13·499
36365	13	10·045	13·858
36366	16	14·496	13·932
36367	10	22·453	13·311
36368	8	22·725	13·198
36369	10	24·389	13·327
36370	10	24·876	13·207
36371	6	25·166	13·018
36372	12	6·199	14·897
36373	17	17·590	14·525
36374*	50	18·011	14·465
36375	10	19·515	14·021
36376	9	20·074	14·264
36377	8	23·646	14·258
36378*	40	23·881	14·028
36379	8	3·516	15·720
36380	9	7·325	15·230
36381	9	10·095	15·933
36382	15	19·870	15·785
36383*	20	20·376	15·370
36384	9	21·727	15·500
36385	24	0·479	16·655
36386	17	1·170	16·623
36387	14	1·635	16·017
36388	9	2·953	16·970
36389	14	3·834	16·103
36390	8	7·680	16·895
36391	8	8·646	16·448
36392	9	9·560	16·722
36393	18	11·425	16·950
36394*	21	11·437	16·880
36395	12	13·610	16·850
36396	12	17·175	16·982
36397	7	18·990	16·772
36398	12	21·795	16·549
36399	12	4·762	17·497
36400	13	6·225	17 315
36401	8	10·094	17·637
36402	9	11·101	17·906
36403	8	11·558	17·613
36404	8	11·567	17·625

No.	d	x	y
36405	11	14·035	17·910
36406	10	25·792	17·889
36407	28	0·160	18·037
36408	15	0·954	18·591
36409	12	2·710	18·360
36410	12	2·960	18·490
36411	14	6·840	18·943
36412	8	9·213	18·007
36413	9	9·700	18·636
36414	24	15·665	18·015
36415	14	15·673	18·023
36416*	16	20·405	18·536
36417	11	21·294	18·754
36418	9	24·748	18·858
36419	12	0·222	19·334
36420	14	0·966	19·007
36421	8	7·417	19·419
36422	10	11·129	19·974
36423	11	18·749	19·619
36424	21	0·228	20·865
36425	9	4·593	20·677
36426	12	4·720	20·592
36427	9	8·137	20·741
36428	13	9·959	20·209
36429	9	10·709	20·085
36430	20	18·660	20·425
36431	9	18·704	20·426
36432	16	23·587	20·516
36433	14	3·260	21·152
36434	15	5·047	21·015
36435	8	9·924	21·960
36436	8	16·506	21·969
36437	9	17·174	21·976
36438	10	21·829	21·898
36439	8	10·355	22·188
36440	12	12·972	22·525
36441	10	13·154	22·686
36442	9	13·350	22·863
36443	18	17·043	22·225
36444	8	20·445	22·205
36445	8	20·571	22·200
36446	14	3·175	23·006
36447	22	6·963	23·767
36448	11	7·487	23·056
36449	12	9·139	23·776
36450	10	9·175	23·786
36451	13	10·931	23·421
36452	12	11·863	23·178
36453	9	13·892	23·635
36454	9	16·231	23·041
36455	8	18·195	23·899
36456	8	22·802	23·661
36457	11	22·977	23·459
36458	19	25·188	23·808
36459	16	25·195	23·659
36460	19	3·185	24·575
36461*	34	3·250	24·289
36462	12	13·431	24·425
36463	9	18·846	24·338
36464	14	19·320	24·157
36465	18	19·925	24·746
36466	11	20·465	24·761
36467	12	21·070	24·233
36468	8	22·361	24·753
36469	16	25·118	24·494
36470	20	25·155	24·220
36471	19	2·021	25·362
36472	18	3·606	25·914
36473	12	5·881	25·858
36474	20	7·790	25·769
36475	10	10·164	25·579
36476	19	10·293	25·792
36477	19	15·179	25·032
36478	9	15·374	25·658
36479	15	19·048	25·765
36480	12	20·474	25·628
36481	12	21·698	25·675

R. A. 16h 34m

Plate 1992; 1902 July 11.

Provisional Constants.

A	B	C
−·00049	+·00248	−·1811
D	**E**	**F**
−·00255	−·00031	−·3791

Mag. = 16·0 − 1·36 $\sqrt{d}$

No.	d	x	y
36501	14	6·926	0·569
36502*	32	7·539	0·017
36503	11	8·084	0·809
36504	8	15·222	0·306
36505	8	18·353	0·759
36506	15	18·891	0·185
36507	10	21·043	0·610
36508	14	23·515	0·659
36509	28	1·295	1·784
36510	18	2·887	1·810
36511	12	3·377	1·496
36512	10	4·166	1·810
36513	11	6·100	1·597
36514	10	11·260	1·368
36515	10	12·350	1·361
36516	7	13·098	1·636
36517	8	14·085	1·840
36518	9	14·265	1·349
36519	10	14·950	1·317
36520*	39	19·446	1·211
36521*	31	2·137	2·336
36522	13	5·823	2·490
36523	8	7·574	2·299
36524	12	10·529	2·519
36525	7	14·026	2·829
36526	12	21·219	2·870
36527	8	23·834	2·989
36528	11	23·930	2·699
36529	12	25·997	2·781
36530	24	1·376	3·151
36531	12	9·126	3·785
36532	8	9·173	3·552
36533*	23	12·634	3·122
36534	10	14·283	3·788
36535	12	25·119	3·349
36536	27	0·000	4·853
36537*	44	2·076	4·035
36538	17	2·163	4·650
36539	17	3·655	4·101
36540	13	4·025	4·379
36541*	24	4·443	4·485
36542	9	4·912	4·477
36543	12	5·820	4·524
36544	10	5·944	4·702
36545	11	12·420	4·579
36546	11	14·059	4·977
36547	18	14·381	4·235
36548	11	15·182	4·851
36549	10	15·780	4·003
36550*	32	21·507	4·677
36551	18	21·614	4·191
36552	15	25·293	4·610
36553	11	3·339	5·260
36554	12	6·998	5·217
36555*	21	7·431	5·765
36556*	20	7·819	5·902
36557	13	8·897	5·063
36558	11	11·597	5·481
36559	8	13·844	5·679
36560	11	21·912	5·649
36561	10	22·669	5·162
36562	18	0·625	6·434
36563	12	3·454	6·328
36564	9	4·325	6·019
36565	9	5·418	6·761
36566	13	9·677	6·564
36567	12	12·504	6·132
36568	9	19·430	6·520
36569*	40	21·796	6·184
36570	18	23·518	6·640
36571	7	23·720	6·625
36572	12	24·590	6·827
36573	10	24·952	6·519
36574	8	3·270	7·245
36575	10	6·892	7·029
36576	13	8·394	7·604
36577	14	10·510	7·453
36578	10	11·319	7·479
36579	10	11·624	7·025
36580	10	13·144	7·748
36581	14	15·347	7·606
36582	12	16·316	7·193
36583	11	17·896	7·210
36584	8	20·618	7·236
36585	6	22·386	7·532
36586*	22	22·935	7·980
36587	9	23·456	7·395
36588	8	23·550	7·041
36589	14	0·318	8·291
36590	12	0·571	8·404
36591	12	2·034	8·216
36592	11	3·552	8·523
36593	9	4·246	8·512
36594	14	10·938	8·519
36595	11	12·630	8·575
36596	12	14·280	8·325
36597	7	15·420	8·542
36598	14	19·317	8·134
36599	9	22·352	8·316
36600	12	25·005	8·095
36601*	56	1·463	9·177
36602	10	4·085	9·987
36603	10	6·571	9·667
36604	10	14·306	9·201
36605	9	16·103	9·608
36606	6	25·286	9·849
36607	12	4·483	10·536
36608*	26	6·689	10·308
36609	10	7·021	10·452
36610	13	8·185	10·633
36611	12	8·326	10·101
36612	12	9·421	10·825
36613*	32	13·131	10·292
36614	20	14·069	10·669
36615*	23	15·806	10·303
36616	15	16·155	10·927
36617	18	18·277	10·605
36618	18	18·549	10·628
36619	8	22 562	10·235
36620	9	23·292	10·395
36621	12	8·508	11·600
36622	11	13·311	11·910
36623	13	13·508	11·769
36624	15	15·356	11·315
36625	13	16·580	11·359
36626	12	17·484	11·821
36627	8	20·916	11·739
36628	8	22·404	11·386
36629	9	2·844	12·605
36630	16	4·241	12·391
36631	10	5·957	12·224
36632	13	6·959	12·712
36633	14	7·461	12·304
36634	12	8·212	12·248
36635	9	9·420	12·582
36636	15	14·224	12·321
36637	14	15·632	12·642
36638*	15	23·349	12·813
36639	14	1·824	13·244
36640	12	3·419	13·194
36641	8	4·665	13·276
36642	8	7·056	13·429
36643	9	12·543	13·929
36644	16	13·369	13·780
36645	14	14·794	13·244
36646	14	18·590	13·796
36647	12	19·516	13·815
36648	9	20·398	13·174
36649	8	22·140	13·628
36650*	42	22·399	13·400
36651	14	23·269	13·909
36652*	58	0·846	14·087
36653	10	5·386	14·176
36654	14	7·091	14·120
36655	8	7·275	14·754
36656	12	7·874	14·744
36657*	42	9·158	14·486
36658	17	14·927	14·220
36659	14	15·726	14·283
36660	10	21·776	14·450
36661	10	23·198	14·243
36662	9	6·584	15·582
36663*	27	12·815	15·998
36664	10	13·706	15·440
36665	12	24·177	15·747
36666	10	24·244	15·511
36667	9	4·989	16·892
36668*	28	5·785	16·088
36669*	19	10·064	16·326
36670	8	10·199	16·732
36671	21	10·245	16·854
36672	8	10·848	16·540
36673	8	14·309	16·799
36674	12	15·237	16·950
36675	11	16·697	16·050
36676	21	18·514	16·897
36677	9	20·882	16·669
36678	8	22·984	16·224
36679	8	23·104	16·478
36680	14	2·835	17·908
36681	8	8·675	17·620
36682	9	8·988	17·240
36683*	18	11·147	17·617
36684	11	19·424	17·284
36685	10	23·905	17·884
36686	12	24·965	17·438
36687*	26	24·995	17·465
36688	9	9·977	18·021
36689	9	10·952	18·829
36690	12	16·049	18·256
36691	10	16·375	18·095
36692	10	19·665	18·436
36693	11	20·478	18·945
36694	20	22·570	18·532
36695	12	23·858	18·310
36696	8	23·970	18·700
36697	8	7·137	19·684
36698	8	7·292	19·821
36699	19	11·909	19·041
36700	12	12·314	19·10
36701	12	20·650	19·75
36702	9	24·936	19·63
36703	13	25·904	19·50
36704	27	0·685	20·58
36705	12	7·270	20·98
36706	12	7·340	20·55
36707	10	9·602	20·14
36708	15	11·003	20·32
36709	10	14·017	20·95
36710	9	14·775	20·79
36711	7	14·796	20·76
36712	12	15·545	20·48
36713	12	19·690	20·89
36714	20	23·144	20·32
36715	10	24·241	20·32
36716	8	24·851	20·70
36717	20	6·315	21·50
36718	8	8·528	21·25
36719	8	10·110	21·23
36720	9	13·664	21·57
36721	8	14·376	21·72
36722	8	15·146	21·65
36723	13	15·375	21·81
36724*	19	15·655	21·65
36725	14	17·937	21·48
36726	9	23·841	21·22
36727	11	23·917	21·10
36728	12	5·424	22·36
36729	22	7·020	22·01
36730	9	13·835	22·14
36731	14	14·423	22·88
36732	9	16·840	22·03
36733	8	20·347	22·43
36734*	100	21·835	22·00
36735	12	23·035	22·50
36736	39	25·644	22·65
36737	16	2·355	23·83
36738	12	2·363	23·69
36739	11	5·314	23·18
36740	22	5·458	23·69
36741*	10	9·545	23·12
36742	14	11·255	23·90
36743	12	18·228	23·95
36744	10	22·287	23·65
36745	12	2·299	24·52
36746	24	2·327	24·25
36747	14	6·599	24·05
36748	12	7·750	24·61
36749*	22	12·357	24·12
36750	8	14·729	24·70
36751*	21	19·314	24·30
36752	19	22·636	24·89
36753	10	24·916	24·54
56754	15	25·153	24·79
36755	13	9·054	25·70
36756*	20	9·357	25·26
36757	16	14·536	25·20
36758	13	17·245	25·02
36759	11	17·811	25·82
36760	12	19·545	25·30
36761	11	20·690	25·00
36762	17	21·102	25·68
36763	16	22·139	25·98

R. A. 16h 43m

Plate 1993 ; 1902 July 11.

Provisional Constants.

A	B	C
−·00057	+·00687	−1·9722
D	**E**	**F**
−·00709	−·00044	−·2571

Mag. = 16·2 − 1·36 $\sqrt{d}$

No.	d	x	y
36801*	27	3·649	0·110
36802	10	9·438	0·738
36803	11	11·976	0·080
36804	14	14·950	0·951
36805	10	15·825	0·886
36806	12	16·650	0·126
36807	19	18·342	0·133
36808	10	20·458	0·042
36809*	47	20·758	0·359
36810	11	21·900	0·687
36811	14	23·681	0·693
36812	12	23·751	0·418
36813	32	3·311	1·971
36814	13	5·150	1·560
36815	12	9·571	1·252
36816	11	9·856	1·323
36817	10	13·697	1·339
36818	10	14·744	1·030
36819	11	15·190	1·231
36820	13	17·906	1·667
36821	12	20·395	1·737
36822	22	25·922	1·378
36823	22	0·884	2·930
36824	13	7·081	2·109
36825	10	7·455	2·079
36826*	32	8·000	2·940
36827	23	8·023	2·901
36828*	35	8·148	2·785
36829	10	8·556	2·115
36830	20	10·307	2·079
36831	10	14·700	2·000
36832	10	14·722	2·234
36833	12	15·825	2·291
36834*	51	17·170	2·270
36835	11	18·109	2·548
36836	20	19·820	2·631
36837	12	20·860	2·555
36838	15	21·175	2·631
36839	22	22·751	2·964
36840	10	24·904	2·658
36841	23	0·017	3·521
36842	12	3·258	3·857
36843	12	3·803	3·045
36844	11	4·643	3·118
36845	10	7·159	3·523
36846	11	7·239	3·343
36847	18	8·051	3·135
36848	10	8·073	3·831
36849	10	9·879	3·395
36850	11	10·932	3·239
36851*	30	11·929	3·596
36852	12	13·052	3·776
36853	12	15·276	3·808
36854	12	17·825	3·230
36855	20	19·471	3·792
36856	13	19·860	3·071
36857	10	20·026	3·582
36858	10	21·736	3·291
36859	10	22·562	3·518
36860	10	23·630	3·289
36861	20	24·600	3·695
36862	13	24·609	3·714
36863	22	25·785	3·011
36864	32	0·225	4·775
36865	22	1·010	4·382
36866	11	3·653	4·093
36867	12	7·240	4·942
36868	11	7·636	4·456
36869	13	12·360	4·168
36870	10	13·061	4·952
36871	10	17·646	4·245
36872	13	17·880	4·778
36873	10	20·127	4·813
36874	12	21·816	4·805
36875	20	21·975	4·631
36876*	23	22·615	4·227
36877	18	1·775	5·382
36878	17	4·550	5·973
36879	11	6·171	5·625
39880	10	10·451	5·381
36881	10	12·430	5·506
36882	10	19·437	5·241
36883	10	20·229	5·773
36884	12	23·582	5·703
36885	15	24·150	5·678
36886	10	4·350	6·208
36887	20	8·619	6·896
36888	20	10·031	6·615
36889	18	12·295	6·646
36890	10	14·189	6·264
36891	12	14·536	6·457
36892	10	16·911	6·385
36893	12	17·640	6·237
36894	15	22·811	6·013
36895	23	1·050	7·158
36896	15	1·771	7·938
36897	12	1·923	7·615
36898	21	12·268	7·155
36899	10	19·799	7·613
36900*	32	21·043	7·506
36901	12	25·365	7·760
36902	12	25·520	7·582
36903	22	0·021	8·267
36904	11	1·276	8·490
36905	10	2·821	8·621
36906	10	5·548	8·090
36907	10	5·706	8·797
36908	10	7·769	8·642
36909	11	11·676	8·447
36910	15	14·020	8·460
36911	10	14·575	8·723
36912	12	15·091	8·962
36913	10	15·669	8·291
36914	10	22·558	8·118
36915	10	22·815	8·716
36916	10	24·697	8·444
36917	15	2·788	9·902
36918	10	5·638	9·639
36919	11	9·965	9·895
36920	10	10·495	9·517
36921	10	11·100	9·372
36922	12	11·182	9·229
36923	10	12·742	9·952
36924	11	13·841	9·315
36925	12	14·890	9·245
36926	11	18·495	9·694
36927	12	19·355	9·589
36928	10	20·958	9·913
36929	11	3·927	10·791
36930	12	4·389	10·321
36931	12	11·036	10·943
36932	12	12·015	10·115
36933	12	12·581	10·030
36934	10	13·064	10·708
36935	20	14·859	10·234
36936	13	15·583	10·056
36937*	20	20·318	10·340
36938	10	23·521	10·538
36939	12	24·140	10·927
36940	20	25·253	10·350
36941	10	25·613	10·650
36942	16	1·214	11·775
36943	10	3·450	11·931
36944	12	5·421	11·195
36945	10	13·725	11·550
36946	12	16·414	11·103
36947	11	18·400	11·589
36948	12	18·412	11·612
36949	10	18·502	11·809
36950	10	22·950	11·292
36951	11	2·332	12·799
36952	32	2·356	12·823
36953	10	9·125	12·235
36954	10	11·090	12·034
36955	12	16·060	12·576
36956	11	18·206	12·232
36957	10	19·445	12·237
36958	12	22·080	12·420
36959*	29	23·501	12·358
36960	22	1·361	13·473
36961	10	2·427	13·321
36962	11	2·750	13·656
36963	12	5·031	13·467
36964	10	5·820	13·249
36965	12	8·538	13·787
36966	13	15·849	13·213
36967	10	16·484	13·080
36968	11	16·630	13·894
36969*	22	19·238	13·275
36970	11	19·694	13·159
36971	10	21·736	13·352
36972	10	23·093	13·472
36973	10	24·280	13·224
36974	10	25·482	13·801
36975	10	25·491	13·157
36976	21	1·605	14·543
36977	13	3·060	14·133
36978	16	5·430	14·905
36979	11	7·865	14·291
36980	12	12·727	14·318
36981	12	19·500	14·549
36982	10	19·510	14·863
36983	9	25·513	14·658
36984	10	1·861	15·330
36985	12	9·741	15·005
36986	10	12·391	15·067
36987	10	18·481	15·857
36988	10	22·994	15·807
36989	12	23·136	15·211
36990	13	23·186	15·299
36991	10	6·867	16·992
36992	11	7·230	16·721
36993	18	9·160	16·487
36994	11	9·726	16·490
36995	10	11·732	16·127
36996	10	12·225	16·870
36997	20	15·406	16·129
36998	10	16·771	16·700
36999	10	20·285	16·636
37000	10	20·495	16·968
37001	12	21·428	16·557
37002	12	22·936	16·834
37003	23	0·211	17·612
37004*	24	0·243	17·636
37005	22	4·307	17·149
37006	10	6·091	17·639
37007	12	6·181	17·448
37008	10	7·378	17·670
37009	13	9·418	17·882
37010	12	12·750	17·896
37011*	23	16·483	17·880
37012	10	20·469	17·432
37013	20	21·300	17·847
37014	15	23·541	17·330
37015	13	4·767	18·503
37016	22	4·841	18·551
37017	18	8·800	18·555
37018	13	9·014	18·027
37019	10	10·955	18·336
37020	10	11·061	18·573
37021	11	15·301	18·951
37022	16	16·236	18·269
37023	12	16·820	18·870
37024	22	20·436	18·387
37025*	28	23·226	18·935
37026	10	24·500	18·738
37027	10	25·217	18·551
37028	16	0·237	19·808
37029	20	1·200	19·652
37030	10	1·655	19·220
37031	12	5·508	19·947
37032*	20	10·491	19·481
37033	10	10·690	19·347
37034	10	13·893	19·544
37035	12	15·354	19·991
37036	12	15·416	19·270
37037	10	16·633	19·412
37038	12	17·242	19·513
37039	10	20·711	19·673
37040	22	1·640	20·028
37041	12	6·754	20·496
37042	10	8·252	20·567
37043	13	8·272	20·875
37044	10	12·061	20·483
37045	24	13·108	20·642
37046*	24	16·081	20·279
37047	19	16·671	20·939
37048	18	17·563	20·255
37049*	22	21·610	20·160
37050	10	24·493	20·832
37051	10	6·525	21·601
37052	12	7·798	21·000
37053	13	10·227	21·516
37054	10	11·818	21·893
37055*	33	13·862	21·845
37056	10	15·459	21·972
37057	15	18·557	21·170
37058	10	21·447	21·128
37059	10	21·566	21·950
37060	12	21·997	21·319
37061	10	22·445	21·918
37062	10	23·231	21·130
37063	12	23·565	21·262
37064	30	23·999	21·115
37065*	36	1·017	22·807
37066	22	2·953	22·568
37067*	37	6·989	22·974
37068	12	7·395	22·112
37069	11	9·244	22·134
37070	10	9·625	22·743
37071	10	11·221	22·040
37072*	24	12·950	22·192
37073	12	18·542	22·631
37074	10	21·171	22·918
37075	10	21·458	22·142
37076	22	24·078	22·736
37077	13	6·095	23·705
37078	12	7·763	23·189
37079	11	7·806	23·734
37080	10	12·680	23·495
37081	12	13·430	23·088
37082	10	16·329	23·107
37083	11	18·235	23·807
37084	10	21·269	23·677
37085	10	22·365	23·177
37086	12	22·490	23·372
37087	11	22·510	23·087
37088	21	24·650	23·955
37089	22	25·475	23·381
37090	28	0·580	24·962
37091	29	1·872	24·472
37092	22	3·400	24·888
37093*	32	4·751	24·829
37094	22	5·825	24·426
37095	10	6·143	24·226
37096	10	17·985	24·629
37097*	22	18·070	24·681
37098	10	20·485	24·205
37099	10	21·128	24·749
37100	12	22·246	24·983
37101	30	24·019	24·770
37102	10	24·700	24·588
37103	22	25·408	24·680
37104	22	4·931	25·899
37105	20	8·270	25·328
37106	11	8·800	25·001
37107	11	9·080	25·237
37108	10	11·998	25·662
37109	10	13·270	25·160
37110	10	15·260	25·488
37111	12	20·086	25·292
37112	10	20·793	25·351
37113	24	21·420	25·350
37114	19	21·724	25·432
37115	12	22·205	25·723
37116*	22	22·763	25·419

R. A. 16h 52m

Plate 1994 ; 1902 July 11.

Provisional Constants.

A	B	C
−·00037	+·00683	−·5617
D	**E**	**F**
−·00723	−·00016	−·3205

Mag. = 16·3 − 1·36 $\sqrt{d}$

No.	d	x	y
37201	22	1·718	0·769
37202	28	1·782	0·493
37203	13	8·116	0·625
37204	10	8·822	0·216
37205	13	14·021	0·204
37206	10	16·217	0·131
37207	10	17·317	0·906
37208	12	19·170	0·710
37209	12	22·309	0·780
37210	13	22·818	0·372
37211	11	22·949	0·020
37212	25	3·974	1·410
37213	12	7·753	1·174

37214	10	9·047	1·643	37288	10	4·886	7·751	37362	17	24·191	12·237	37436	9	20·616	17·776	37510	22	0·856	23·279
37215	13	13·754	1·401	37289	18	5·835	7·048	37363	12	24·481	12·223	37437	10	21·591	17·882	37511	23	0·990	23·471
37216	10	13·910	1·089	37290*	35	8·529	7·872	37364	19	0·026	13·465	37438	12	23·536	17·317	37512	17	1·002	23·184
37217	10	14·015	1·951	37291	12	8·751	7·450	37365	22	1·391	13·557	37439	11	23·680	17·109	37513	22	3·975	23·417
37218	11	18·316	1·371	37292	10	9·355	7·886	37366	10	2·571	13·287	37440	10	24·100	17·952	37514*	63	5·401	23·063
37219	11	18·439	1·647	37293	11	9·549	7·171	37367	12	3·780	13·196	37441	10	25·131	17·829	37515	11	5·596	23·163
37220	13	18·920	1·198	37294*	22	9·776	7·360	37368	10	3·785	13·840	37442	11	25·900	17·517	37516	10	6·269	23·057
37221	11	20·177	1·271	37295	10	11·375	7·803	37369	10	4·711	13·344	37443	11	2·902	18·797	37517	10	7·200	23·141
37222	14	20·491	1·848	37296	12	15·730	7·813	37370	15	4·780	13·747	37444	10	5·781	18·229	37518	13	11·133	23·735
37223	11	25·236	1·967	37297	13	16·631	7·199	37371	14	7·874	13·495	37445	10	7·839	18·911	37519	12	11·621	23·405
37224	15	25·468	1·265	37298	10	20·210	7·856	37372	10	14·582	13·440	37446	11	10·243	18·528	37520	10	12·351	23·650
37225	12	25·619	1·458	37299	10	21·309	7·036	37373	11	14·891	13·953	37447	11	12·379	18·521	37521	10	13·688	23·536
37226	11	2·977	2·711	37300	12	21·445	7·052	37374	10	18·263	13·049	37448	11	12·511	18·589	37522	11	17·445	23·923
37227	11	6·180	2·201	37301	12	23·881	7·552	37375	10	18·344	13·695	37449	20	20·652	18·883	37523*	29	18·850	23·871
37228	10	6·338	2·061	37302	15	0·744	8·218	37376*	21	23·414	13·601	37450	10	20·760	18·560	37524*	26	19·278	23·483
37229	10	7·921	2·965	37303	16	1·011	8·810	37377*	82	23·990	13·445	37451	10	22·575	18·618	37525	12	20·895	23·671
37230	12	17·435	2·300	37304	10	2·890	8·500	37378	12	24·245	13·738	37452	19	25·285	18·769	37526	17	21·610	23·411
37231	10	18·461	2·741	37305	20	6·322	8·081	37379	12	24·256	13·673	37453*	30	1·633	19·015	37527	10	22·200	23·538
37232	11	18·820	2·077	37306	11	19·081	8·887	37380	10	24·405	13·768	37454	11	9·696	19·009	37528	12	25·665	23·781
37233	10	23·822	2·207	37307	11	21·180	8·195	37381	10	5·835	14·478	37455	12	10·062	19·342	37529	12	25·696	23·874
37234	30	0·832	3·059	37308	10	22·658	8·964	37382	13	6·226	14·626	37456	10	11·991	19·362	37530*	42	2·545	24·834
37235	22	2·699	3·754	37309	10	22·681	8·638	37383	10	8·876	14·021	37457	10	14·500	19·491	37531	22	3·159	24·004
37236	22	2·706	3·770	37310	12	22·991	8·874	37384	10	12·318	14·020	37458	10	14·571	19·680	37532	25	3·931	24·717
37237	22	3·868	3·048	37311	10	24·897	8·052	37385	13	12·611	14·945	37459	10	15·300	19·158	37533	10	9·956	24·708
37238	9	5·461	3·466	37312	12	8·244	9·408	37386*	40	13·936	14·601	37460	12	17·053	19·692	37534	12	14·291	24·792
37239	11	5·481	3·080	37313	22	12·938	9·580	37387*	30	18·036	14·510	37461	13	18·949	19·217	37535	12	14·511	24·831
37240	10	6·164	3·213	37314	11	13·706	9·538	37388	20	19·475	14·499	37462	10	24·094	19·390	37536	12	15·460	24·564
37241	10	7·215	3·906	37315	11	14·381	9·925	37389	10	21·100	14·311	37463	30	0·040	20·277	37537	22	16·361	24·534
37242	10	12·301	3·206	37316	13	17·011	9·236	37390	10	21·763	14·146	37464	10	2·940	20·892	37538	12	25·644	24·081
37243	12	14·695	3·519	37317*	33	19·394	9·413	37391	10	23·100	14·123	37465	11	6·191	20·612	37539	32	0·261	25·547
37244	10	17·789	3·480	37318	12	21·902	9·804	37392	9	24·256	14·578	37466	10	6·801	20·507	37540	18	0·748	25·829
37245	12	17·900	3·370	37319	10	24·035	9·216	37393	11	24·813	14·086	37467	10	7·392	20·473	37541	28	0·775	25·082
37246	15	18·361	3·168	37320	12	1·756	10·619	37394	10	25·965	14·692	37468	14	8·750	20·812	37542*	42	1·299	25·510
37247	10	19·771	3·796	37321	19	2·381	10·996	37395	20	1·464	15·295	37469	10	11·013	20·426	37543	13	5·276	25·498
37248*	21	20·032	3·805	37322	21	3·483	10·394	37396	22	1·518	15·382	37470	10	15·432	20·606	37544	14	5·481	25·887
37249	18	20·719	3·029	37323	10	3·852	10·688	37397	10	4·715	15·309	37471	10	15·796	20·815	37545	10	7·829	25·358
37250	10	20·756	3·702	37324	12	6·599	10·799	37398	10	5·111	15·921	37472	10	19·505	20·039	37546	10	10·691	25·034
37251	10	22·106	3·763	37325*	31	10·217	10·998	37399	10	5·450	15·078	37473	10	19·870	20·453	37547*	14	14·205	25·318
37252	12	22·566	3·867	37326	13	12·383	10·581	37400	11	5·645	15·144	37474	10	20·250	20·994	37548	10	17·959	25·408
37253	10	24·106	3·774	37327	10	12·444	10·036	37401	10	15·972	15·132	37475	10	20·514	20·655	37549	10	22·490	25·612
37254	23	0·089	4·743	37328	10	12·776	10·226	37402	13	16·338	15·380	37476*	41	20·659	20·001	37550	23	24·824	25·044
37255*	33	0·723	4·325	37329	10	16·822	10·171	37403	10	18·511	15·033	37477	12	20·968	20·215	37551	23	25·379	25·593
37256	10	14·773	4·680	37330	9	18·805	10·941	37404*	22	18·827	15·781	37478*	15	22·539	20·056				
37257	21	16·869	4·182	37331	11	19·306	10·336	37405	10	21·913	15·505	37479	10	23·537	20·153				
37258	10	17·908	4·479	37332	13	19·673	10·403	37406	10	22·856	15·647	37480	22	0·452	21·430				
37259	10	20·141	4·250	37333	10	20·738	10·261	37407	21	24·210	15·465	37481	18	1·679	21·213				
37260	10	22·720	4·366	37334	10	21·976	10·627	37408	10	25·304	15·597	37482	17	2·017	21·339				
37261	12	24·141	4·473	37335	10	23·280	10·443	37409	10	25·815	15·427	37483*	31	2·447	21·180				
37262	20	1·720	5·781	37336	11	23·500	10·281	37410	22	1·300	16·921	37484	10	9·138	21·792				
37263	22	2·287	5·745	37337	13	25·018	10·368	37411	15	5·418	16·068	37485	10	9·151	21·813				
37264	22	4·785	5·620	37338	12	4·289	11·680	37412	10	6·911	16·064	37486	12	9·178	21·815				
37265	12	4·977	5·621	37339	17	4·789	11·425	37413*	27	7·513	16·487	37487	12	10·510	21·529				
37266	11	9·971	5·799	37340	21	5·410	11·098	37414	13	8·107	16·770	37488	20	10·836	21·198				
37267	14	10·360	5·228	37341	10	10·973	11·520	37415	9	8·165	16·310	37489	10	16·146	21·231				
37268	10	11·433	5·279	37342	12	11·132	11·553	37416	10	9·723	16·596	37490	10	16·448	21·973				
37269	10	12·536	5·993	37343	10	11·531	11·644	37417	10	9·987	16·042	37491	10	17·201	21·778				
37270	10	13·065	5·332	37344	10	13·319	11·273	37418	10	10·089	16·443	37492	10	18·702	21·941				
37271	10	15·003	5·494	37345	10	17·695	11·519	37419	10	14·929	16·114	37493	12	18·915	21·732				
37272	11	15·895	5·311	37346	10	18·869	11·481	37420*	22	17·490	16·006	37494	10	19·206	21·550				
37273	12	16·965	5·846	37347	15	18·901	11·106	37421	10	20·499	16·525	37495	10	20·862	21·612				
37274	13	18·980	5·876	37348	17	21·498	11·685	37422	11	22·329	16·382	37496	10	21·130	21·791				
37275	12	20·170	5·821	37349	10	23·552	11·089	37423	22	1·915	17·410	37497	10	22·685	21·100				
37276	10	21·858	5·537	37350	22	0·351	12·526	37424	10	4·345	17·872	37498	10	23·185	21·343				
37277	10	24·779	5·027	37351*	40	1·771	12·437	37425	11	5·189	17·635	37499	13	23·277	21·283				
37278	32	0·955	6·107	37352	9	4·095	12·575	37426	12	8·536	17·165	37500	30	2·564	22·800				
37279	10	8·760	6·277	37353	10	7·927	12·479	37427	10	11·876	17·400	37501	10	6·392	22·875				
37280*	21	17·690	6·163	37354	11	11·054	12·832	37428	10	13·518	17·925	37502	10	9·630	22·235				
37281	10	19·139	6·159	37355	12	13·021	12·523	37429	10	15·856	17·893	37503	12	12·030	22·463				
37282	10	22·745	6·570	37356	12	13·750	12·209	37430	11	16·341	17·732	37504	10	12·081	22·397				
37283	10	25·110	6·948	37357	11	13·765	12·883	37431	10	17·434	17·981	37505	10	12·700	22·765				
37284	14	3·546	7·802	37358*	29	14·867	12·740	37432	10	18·175	17·895	37506	10	15·665	22·382				
37285	12	3·697	7·622	37359	11	15·165	12·232	37433	12	18·815	17·773	37507	10	18·468	22·852				
37286	24	4·245	7·625	37360	10	15·697	12·512	37434*	16	18·938	17·929	37508	10	23·580	22·645				
37287	12	4·502	7·258	37361*	21	22·990	12·649	37435	10	19·550	17·715	37509	12	25·195	22·063				

R. A. 17h 1m

Plate 1995; 1902 July 11.

Provisional Constants.

A	B	C
−·00055	+·00709	−·2303
D	**E**	**F**
−·00715	−·00042	−·2770

Mag. = $16·0 - 1·36\sqrt{d}$

No.	*d*	*x*	*y*
37601*	39	4·995	0·420
37602	11	7·099	0·191
37603	35	7·158	0·228
37604	12	9·205	0·182
37605	11	9·466	0·291
37606	11	11·990	0·714
37607	11	14·006	0·343
37608	8	15·227	0·703
37609	10	16·910	0·403

37610	10	17·795	0·950	37684	12	9·049	6·857	37758	10	10·238	12·662	37832	10	17·450	17·908	37906	11	2·588	22·243
37611	11	20·275	0·085	37685	10	9·471	6·700	37759	10	10·678	12·871	37833	10	18·056	17·853	37907	11	3·474	22·558
37612	10	22·899	0·784	37686	12	10·875	6·141	37760	21	13·638	12·320	37834	10	19·555	17·883	37908	12	4·000	22·804
37613	22	2·441	1·445	37687	10	18·537	6·557	37761	11	14·872	12·849	37835	11	21·257	17·661	37909*	40	8·082	22·649
37614	18	2·597	1·635	37688	12	18·856	6·984	37762	10	16·368	12·199	37836	10	22·330	17·050	37910	10	8·200	22·575
37615	22	3·550	1·625	37689	11	21·689	6·377	37763	10	16·928	12·878	37837	19	22·775	17·606	37911	10	8·323	22·561
37616	10	10·311	1·873	37690	21	25·185	6·791	37764	12	17·625	12·785	37838	10	2·432	18·009	37912	10	10·078	22·790
37617	10	10·360	1·103	37691*	37	25·380	6·361	37765	12	23·835	12·177	37839	21	2·608	18·949	37913	10	14·715	22·479
37618	12	10·417	1·076	37692*	24	25·380	6·281	37766	10	23·940	12·547	37840	10	7·201	18·607	37914	10	15·055	22·252
37619	10	10·650	1·983	37693	22	0·981	7·763	37767*	34	0·635	13·821	37841	10	10·050	18·751	37915	9	16·945	22·549
37620	10	12·560	1·549	37694	11	2·200	7·130	37768*	90	1·211	13·650	37842	10	11·067	18·207	37916	12	17·576	22·230
37621	10	13·858	1·709	37695	12	3·216	7·569	37769	22	1·470	13·942	37843	10	11·678	18·711	37917	10	19·276	22·369
37622	10	14·063	1·611	37696	10	3·260	7·666	37770	22	1·480	13·873	37844	21	14·916	18·834	37918	10	19·315	22·563
37623	10	16·400	1·042	37697	12	6·019	7·618	37771	18	1·630	13·967	37845	11	15·377	18·848	37919	12	23·281	22·096
37624	13	16·650	1·695	37698	10	6·041	7·504	37772	12	4·815	13·689	37846	12	18·880	18·975	37920	10	23·660	22·550
37625	10	17·744	1·821	37699	10	14·611	7·273	37773	10	5·068	13·305	37847	10	18·881	18·468	37921	12	23·993	22·052
37626	10	20·205	1·599	37700*	31	17·400	7·169	37774	10	5·151	13·533	37848	12	19·280	18·425	37922	13	24·149	22·732
37627*	12	24·677	1·393	37701	12	17·413	7·152	37775	10	7·750	13·418	37849	10	19·812	18·639	37923	20	25·434	22·157
37628	10	25·405	1·496	37702	10	19·672	7·222	37776	10	8·693	13·034	37850	10	20·041	18·737	37924	22	4·151	23·880
37629	20	2·222	2·149	37703	11	20·307	7·432	37777	10	16·232	13·950	37851	10	20·570	18·454	37925	13	6·716	23·393
37630	22	3·675	2·161	37704	11	21·170	7·805	37778	10	23·803	13·730	37852	10	21·231	18·768	37926	13	8·488	23·406
37631	16	3·900	2·646	37705	11	22·355	7·587	37779	12	25·468	13·270	37853	12	23·080	18·761	37927	10	8·784	23·307
37632	23	4·423	2·793	37706	10	22·399	7·437	37780	12	0·332	14·348	37854	10	24·421	18·153	37928	10	11·762	23·284
37633*	22	6·256	2·303	37707	10	6·108	8·348	37781	14	2·041	14·275	37855	10	25·612	18·031	37929	10	12·466	23·976
37634	16	6·845	2·213	37708	10	6·748	8·643	37782	10	3·210	14·856	37856	12	6·836	19·283	37930	20	14·667	23·325
37635*	22	7·425	2·640	37709	12	20·565	8·996	37783	10	6·821	14·630	37857	11	7·220	19·363	37931	10	18·225	23·355
37636	10	9·185	2·980	37710*	24	20·652	8·741	37784	13	9·591	14·560	37858	10	7·451	19·000	37932	10	19·460	23·893
37637	10	9·911	2·785	37711	10	24·018	8·867	37785	10	13·749	14·146	37859	10	7·596	19·278	37933	10	20·700	23·078
37638	10	10·574	2·500	37712	10	24·903	8·990	37786*	26	14·620	14·561	37860	10	10·732	19·039	37934	10	25·115	23·301
37639	10	12·272	2·004	37713	13	25·260	8·891	37787*	32	18·180	14·467	37861	12	11·299	19·383	37935	22	25·686	23·583
37640	10	17·184	2·281	37714	22	0·115	9·100	37788	12	23·104	14·903	37862	9	11·397	19·047	37936	18	3·074	24·250
37641	10	18·376	2·924	37715	13	1·168	9·423	37789	10	24·013	14·331	37863	10	12·220	19·803	37937	12	6·726	24·460
37642	10	21·356	2·234	37716	13	3·688	9·993	37790	10	25·635	14·301	37864*	39	12·227	19·225	37938	12	8·145	24·674
37643	10	23·730	2·420	37717	12	4·771	9·721	37791	12	25·820	14·373	37865	10	16·596	19·922	37939	10	10·081	24·670
37644	10	25·660	2·731	37718	10	4·891	9·297	37792	22	0·116	15·877	37866	10	16·701	19·300	37940*	23	10·209	24·945
37645	22	3·607	3·125	37719	10	5·304	9·453	37793	32	1·467	15·667	37867	10	18·075	19·286	37941	10	11·221	24·289
37646	22	4·091	3·889	37720	22	5·310	9·190	37794	12	2·565	15·777	37868	10	19·732	19·245	37942	10	12·026	24·270
37647	28	4·144	3·021	37721	10	5·981	9·634	37795	11	3·073	15·594	37869	10	20·339	19·189	37943	10	12·316	24·084
37648	11	10·841	3·588	37722	11	11·862	9·239	37796	9	5·376	15·024	37870	9	21·251	19·722	37944	12	16·975	24·440
37649*	22	20·115	3·863	37723	10	15·465	9·863	37797	10	6·441	15·384	37871	10	21·438	19·775	37945	10	17·968	24·682
37650	10	20·926	3·431	37724	10	22·070	9·141	37798	10	8·621	15·109	37872	10	22·742	19·599	37946	13	18·830	24·209
37651	12	21·411	3·275	37725	10	23·585	9·873	37799	10	10·722	15·420	37873	13	24·403	19·723	37947	10	19·458	24·603
37652	10	21·566	3·180	37726	12	25·310	9·833	37800	11	12·489	15·723	37874	13	0·885	20·368	37948	34	2·273	25·233
37653	10	21·901	3·272	37727	22	25·590	9·223	37801*	25	15·152	15·683	37875	12	3·491	20·693	37949	34	2·839	25·770
37654	10	0·845	4·313	37728	15	0·651	10·499	37802	10	15·888	15·300	37876*	22	4·281	20·219	37950	16	5·518	25·061
37655	22	1·179	4·681	37729	22	2·176	10·556	37803	12	18·614	15·312	37877	10	6·593	20·820	37951*	41	6·589	25·003
37656	13	4·083	4·708	37730	12	3·625	10·705	37804*	33	18·669	15·308	37878	12	11·025	20·682	37952	11	8·539	25·435
37657	10	6·710	4·814	37731	10	4·445	10·043	37805	10	22·806	15·965	37879	10	11·632	20·556	37953*	24	9·650	25·536
37658	12	7·824	4·246	37732	10	5·816	10·063	37806	12	24·830	15·027	37880	10	11·930	20·774	37954	10	12·149	25·661
37659	10	15·074	4·791	37733	10	9·602	10·487	37807	12	25·419	15·550	37881	10	11·947	20·836	37955	10	13·700	25·850
37660	11	19·794	4·800	37734	10	10·462	10·816	37808	10	6·726	16·413	37882	9	12·039	20·843	37956	12	14·218	25·657
37661*	35	21·650	4·249	37735	12	16·940	10·125	37809	10	6·849	16·650	37883	10	13·379	20·271	37957	10	18·343	25·792
37662	15	23·405	4·104	37736	10	17·031	10·136	37810	10	7·265	16·167	37884	15	14·745	20·487	37958	12	19·512	25·062
37663	10	24·948	4·584	37737	10	18·107	10·397	37811	11	7·770	16·725	37885	10	16·306	20·148	37959	12	24·341	25·856
37664	10	3·540	5·203	37738	10	19·059	10·310	37812	10	8·903	16·727	37886	9	16·682	20·041				
37665	13	4·901	5·400	37739	10	20·640	10·091	37813	8	8·983	16·407	37887	10	17·186	20·277				
37666	10	5·591	5·442	37740	10	22·383	10·532	37814	15	10·180	16·538	37888	10	18·218	20·549				
37667	10	6·104	5·146	37741	10	23·511	10·284	37815	12	14·130	16·117	37889	10	18·566	20·803				
37668	11	6·621	5·340	37742*	34	24·988	10·586	37816	10	20·852	16·680	37890	12	22·120	20·657				
37669	10	9·870	5·090	37743	13	6·836	11·173	37817	10	21·018	16·886	37891*	19	22·630	20·744				
37670	12	13·184	5·316	37744	10	7·369	11·245	37818*	42	21·091	16·631	37892	24	0·650	21·504				
37671	13	13·858	5·736	37745	12	7·685	11·932	37819	22	0·830	17·531	37893	11	7·218	21·183				
37672	10	14·106	5·024	37746	10	20·715	11·467	37820	20	0·970	17·322	37894	10	8·471	21·760				
37673	10	14·137	5·031	37747	11	22·595	11·553	37821	12	3·200	17·685	37895	10	9·365	21·112				
37674	10	18·956	5·563	37748	10	22·980	11·917	37822	10	3·629	17·541	37896	10	10·824	21·746				
37675	10	20·952	5·734	37749	10	23·039	11·592	37823*	37	4·392	17·338	37897	19	11·435	21·090				
37676	10	21·575	5·421	37750	10	24·726	11·057	37824	11	6·320	17·826	37898	12	11·641	21·629				
37677	11	22·310	5·156	37751	13	25·609	11·182	37825	10	6·580	17·387	37899	10	11·858	21·099				
37678	10	23·210	5·628	37752	10	25·865	11·982	37826	12	11·173	17·687	37900	11	12·111	21·260				
37679	11	23·331	5·120	37753*	22	0·191	12·879	37827	10	11·946	17·270	37901	12	17·198	21·447				
37680	10	25·182	5·680	37754	30	1·384	12·439	37828	9	14·493	17·832	37902	10	18·375	21·792				
37681	11	5·749	6·682	37755	22	1·671	12·418	37829	10	15·800	17·631	37903	10	19·588	21·082				
37682	11	8·470	6·900	37756	10	4·940	12·204	37830	10	16·834	17·567	37904	12	24·976	21·360				
37683	10	9·021	6·726	37757	12	7·728	12·051	37831	13	17·010	17·049	37905	15	25·736	21·771				

R. A. 17h 10m

Plate 1978; 1902 June 27

Provisional Constants.

A	B	C
−·00015	+·01140	−·3895

D	E	F
−·01179	−·00025	−·1153

Mag. = 17·1 − 1·36 $\sqrt{d}$

No.	d	x	y
38001	16	5·952	0·853
38002	10	10·141	0·783
38003	10	12·375	0·756
38004	20	13·541	0·895
38005	13	14·479	0·295
38006	13	20·678	0·682
38007	10	21·183	0·863
38008	15	23·468	0·660
38009	29	24·543	0·478
38010	13	24·691	0·694
38011	15	25·366	0·729
38012*	23	1·165	1·713
38013	10	6·449	1·116
38014	11	9·440	1·887
38015*	43	9·703	1·118
38016	11	9·932	1·825
38017	12	12·069	1·937
38018	22	12·986	1·323
38019	10	13·270	1·404
38020	15	13·378	1·240
38021	23	14·244	1·971
38022	13	18·065	1·140
38023	10	18·850	1·696
38024	12	4·314	2·042
38025	10	9·175	2·399
38026	11	13·071	2·695
38027	15	13·896	2·485
38028	11	14·135	2·110
38029	13	16·086	2·249
38030	9	17·504	2·681
38031	14	18·021	2·266
38032	10	19·219	2·316
38033	19	20·192	2·056
38034	13	20·956	2·056
38035	16	20·990	2·052
38036	12	21·420	2·614
38037	11	21·894	2·420
38038	11	22·362	2·496
38039	20	23·412	2·802
38040	10	23·708	2·983
38041	14	3·861	3·851
38042	20	5·262	3·030
38043	18	5·909	3·979
38044	10	6·895	3·004
38045	10	7·459	3·888
38046	22	7·521	3·200
38047	10	9·547	3·015
38048*	32	9·836	3·399
38049	11	10·337	3·640
38050	17	12·648	3·315
38051	20	12·965	3·191
38052	11	15·140	3·463
38053	27	16·960	3·809
38054	10	18·199	3·515
38055	12	21·126	3·679
38056	10	24·958	3·230

No.	d	x	y
38057	11	1·514	4·894
38058	20	5·046	4·616
38059	10	5·991	4·594
38060	12	6·662	4·816
38061	20	8·958	4·881
38062	14	13·041	4·706
38063	21	14·905	4·287
38064	25	15·716	4·994
38065	27	16·452	4·059
38066	10	16·785	4·374
38067	20	21·035	4·875
38068	18	21·090	4·382
38069	9	21·350	4·527
38070	11	21·367	4·240
38071	11	22·587	4·214
38072	21	23·861	4·175
38073	19	24·620	4·123
38074	13	1·784	5·983
38075	10	4·270	5·123
38076	12	4·936	5·685
38077	13	5·537	5·119
38078	20	6·134	5·605
38079	20	7·754	5·338
38080	14	9·501	5·939
38081	15	9·552	5·241
38082	15	10·269	5·876
38083	14	15·099	5·462
38084	13	15·881	5·114
38085*	45	16·242	5·660
38086	22	22·690	5·671
38087	13	25·429	5·781
38088*	51	1·991	6·661
38089*	38	1·994	6·576
38090	10	10·013	6·119
38091	12	11·079	6·921
38092	18	12·332	6·779
38093	22	12·333	6·046
38094	11	18·381	6·485
38095	20	19·716	6·891
38096	13	20·058	6·391
38097	10	21·231	6·666
38098	12	21·570	6·375
38099	22	21·928	6·890
38100	13	24·124	6·253
38101	21	25·707	6·849
38102	27	1·808	7·093
38103	13	2·940	7·228
38104	10	3·735	7·613
38105	22	6·144	7·910
38106*	30	9·413	7·551
38107	10	9·631	7·262
38108	20	10·122	7·670
38109	13	12·246	7·820
38110	23	12·483	7·268
38111	13	12·779	7·531
38112	14	13·722	7·341
38113	14	14·759	7·964
38114	20	18·119	7·970
38115	11	21·574	7·542
38116	22	21·646	7·865
38117	20	3·540	8·621
38118	10	3·771	8·951
38119	9	7·201	8·500
38120	10	8·298	8·619
38121	14	8·574	8·090
38122	10	9·231	8·564
38123	11	10·646	8·718
38124	20	11·052	8·250
38125	13	13·730	8·882
38126	15	13·819	8·828
38127	13	14·394	8·746
38128	12	16·926	8·124
38129	20	23·248	8·645
38130	20	24·185	8·732

No.	d	x	y
38131	11	1·580	9·295
38132	20	1·935	9·192
38133	31	2·275	9·520
38134	15	4·826	9·150
38135	23	7·304	9·340
38136*	20	10·260	9·010
38137	17	13·301	9·463
38138	14	15·062	9·939
38139	16	20·589	9·836
38140	10	21·542	9·639
38141	14	22·100	9·690
38142	13	24·448	9·301
38143*	54	1·705	10·896
38144	13	2·011	10·132
38145	10	3·515	10·332
38146	20	10·681	10·824
38147	12	11·601	10·378
38148	23	12·121	10·657
38149	20	17·892	10·668
38150	18	24·205	10·030
38151	12	24·959	10·176
38152	12	25·955	10·492
38153	20	2·341	11·475
38154	10	4·480	11·342
38155	12	5·235	11·419
38156	10	6·216	11·167
38157	19	8·750	11·443
38158	14	10·587	11·753
38159	12	11·366	11·414
38160	22	13·163	11·142
38161	11	14·649	11·239
38162	10	16·885	11·407
38163	11	17·842	11·169
38164	13	18·383	11·078
38165	18	21·668	11·850
38166	10	22·311	11·986
38167	12	24·837	11·724
38168	13	25·903	11·093
38169	18	0·593	12·515
38170	11	0·705	12·881
38171	10	2·620	12·268
38172*	22	3·930	12·523
38173	12	10·240	12·561
38174	11	10·607	12·158
38175	13	16·994	12·575
38176	14	17·925	12·873
38177*	28	18·072	12·564
38178	10	21·341	12·512
38179	19	21·818	12·901
38180	10	24·639	12·439
38181	14	25·978	12·795
38182	18	2·250	13·566
38183	22	2·814	13·285
38184	9	3·932	13·256
38185	7	3·994	13·119
38186	10	4·617	13·409
38187	10	4·820	13·591
38188*	44	6·051	13·752
38189	13	7·466	13·499
38190	13	9·144	13·374
38191	11	10·147	13·877
38192	10	11·039	13·683
38193	13	13·233	13·383
38194	20	14·106	13·611
38195	12	14·150	13·928
38196	16	14·504	13·151
38197*	43	14·706	13·537
38198	14	15·725	13·330
38199	14	18·638	13·107
38200	11	19·499	13·031
38201	12	19·957	13·538
38202	20	20·555	13·992
38203	9	21·184	13·946
38204	21	22·066	13·136

No.	d	x	y
38205	13	23·296	13·873
38206	12	25·647	13·300
38207	11	0·594	14·063
38208	12	0·825	14·662
38209	10	2·448	14·594
38210	20	2·630	14·661
38211	20	2·856	14·369
38212*	20	4·463	14·965
38213	11	5·526	14·665
38214	10	6·071	14·719
38215	20	6·541	14·941
38216	11	7·582	14·350
38217	15	8·804	14·520
38218	11	9·129	14·369
38219	13	10·235	14·120
38220	16	11·409	14·510
38221	10	11·976	14·788
38222*	30	13·514	14·003
38223*	30	15·929	14·668
38224*	30	16·480	14·209
38225	11	19·859	14·988
38226	19	20·041	14·449
38227	10	24·257	14·831
38228	10	24·908	14·764
38229	20	1·653	15·340
38230	20	2·259	15·845
38231	10	4·053	15·234
38232	12	6·138	15·915
38233	9	7·575	15·058
38234	13	9·025	15·878
38235	20	9·124	15·448
38236	13	9·853	15·900
38237	14	15·900	15·645
38238	10	20·542	15·278
38239	9	23·166	15·910
38240	11	23·183	15·131
38241	11	25·777	15·269
38242	13	3·629	16·582
38243*	44	5·463	16·402
38244	10	8·378	16·502
38245	17	8·385	16·424
38246	9	9·469	16·891
38247	10	10·673	16·571
38248	14	13·698	16·107
38249	13	15·973	16·676
38250	8	18·802	16·472
38251	10	19·542	16·893
38252	11	25·111	16·749
38253	22	3·690	17·289
38254	20	5·452	17·931
38255	13	10·266	17·590
38256	13	12·942	17·625
38257	13	13·538	17·919
38258	13	16·498	17·819
38259	12	20·348	17·110
38260	20	21·823	17·391
38261	15	25·241	17·555
38262	17	1·327	18·476
38263	11	2·513	18·323
38264	19	4·207	18·234
38265	10	10·249	18·144
38266	9	17·316	18·202
38267	11	18·738	18·728
38268	12	18·770	18·987
38269	13	21·154	18·782
38270	10	24·183	18·252
38271	12	24·398	18·921
38272	10	25·122	18·505
38273	26	0·000	19·114
38274	16	3·045	19·990
38275	10	3·545	19·254
38276	20	4·388	19·703
38277	10	7·358	19·587
38278	10	10·283	19·633

No.	d	x	y
38279	11	10·494	19·033
38280	20	10·800	19·035
38281	10	12·334	19·739
38282	11	16·803	19·851
38283	11	16·882	19·072
38284	15	18·636	19·862
38285*	39	22·674	19·317
38286	9	22·932	19·752
38287	16	23·514	19·569
38288	10	24·470	19·512
38289	9	24·475	19·061
38290	14	25·737	19·234
38291	25	1·347	20·041
38292	10	2·969	20·164
38293	10	4·844	20·594
38294	11	5·511	20·614
38295	20	8·731	20·347
38296	13	10·081	20·121
38297	10	11·344	20·906
38298	11	14·008	20·321
38299	10	18·471	20·547
38300	20	18·662	20·975
38301	30	22·166	20·009
38302*	58	22·195	20·171
38303	12	24·560	20·504
38304	15	1·566	21·824
38305	21	1·960	21·669
38306	21	5·989	21·607
38307	15	8·359	21·620
38308	20	8·465	21·778
38309	30	8·633	21·496
38310	11	10·958	21·799
38311	20	13·470	21·485
38312	20	14·494	21·089
38313	11	17·926	21·509
38314	21	23·088	21·142
38315	9	23·129	21·134
38316	13	23·535	21·775
38317	18	24·750	21·547
38318	28	25·803	21·689
38319	25	25·867	21·144
38320	23	0·286	22·444
38321	10	0·675	22·885
38322	14	0·993	22·384
38323	26	2·438	22·455
38324	13	2·731	22·060
38325	20	3·189	22·210
38326	10	10·535	22·691
38327	11	19·640	22·085
38328	9	20·876	22·920
38329	13	25·223	22·476
38330	25	1·165	23·056
38331	30	2·727	23·869
38332	20	3·125	23·670
38333	17	7·164	23·210
38334	10	8·771	23·520
38335	9	10·343	23·806
38336	16	11·807	23·176
38337	11	12·224	23·731
38338	15	15·467	23·720
38339	10	16·011	23·960
38340	12	17·098	23·533
38341	11	17·997	23·860
38342	10	20·701	23·715
38343	14	25·246	23·619
38344	11	25·550	23·479
38345	10	6·266	24·690
38346	20	9·000	24·034
38347	11	9·691	24·133
38348	10	12·669	24·622
38349	11	13·036	24·145
38350	16	18·382	24·107
38351	10	18·403	24·499
38352	11	19·044	24·452

38353	28	19·398	24·198
38354	12	20·088	24·167
38355	17	22·767	24·598
38356	13	23·171	24·935
38357	13	24·561	24·682
38358	15	24·940	24·102
38359	14	24·717	24·803
38360	40	3·123	25·885
38361	18	4·480	25·530
38362	13	6·252	25·999
38363	14	8·202	25·785
38364	18	8·236	25·739
38365	27	8·285	25·600
38366	21	11·588	25·585
38367	10	12·624	25·336
38368	10	13·363	25·643
38369	9	13·827	25·324
38370	21	13·888	25·679
38371	19	18·685	25·151
38372	11	19·337	25·802
38373	8	20·035	25·090
38374	10	20·674	25·214
38375	39	21·590	25·213
38376	12	23·111	25·974
38377	10	23·889	25·599

R. A. 17h 19m

Plate 1979; 1902 June 27

Provisional Constants.

A	B	C
−·00033	+·01064	−·4569
D	**E**	**F**
−·01081	−·00057	−·0558

Mag. = 16·9 − 1·36 √*d*

No.	*d*	*x*	*y*
38401	35	1·097	0·801
38402	24	2·494	0·231
38403	13	4·906	0·861
38404	15	5·527	0·749
38405	15	9·113	0·368
38406*	23	9·498	0·233
38407	12	9·537	0·081
38408	13	11·441	0·790
38409	22	16·591	0·299
38410	19	18·647	0·159
38411	12	19·675	0·389
38412	13	21·521	0·570
38413	20	25·542	0·000
38414	13	0·027	1·003
38415	12	1·249	1·015
38416	20	1·925	1·040
38417	16	3·176	1·584
38418	20	3·358	1·880
38419	12	7·120	1·835
38420	10	7·278	1·731
38421	10	7·427	1·740
38422	11	8·025	1·055
38423	20	8·699	1·154
38424	10	8·715	1·929
38425	26	10·405	1·741
38426	11	11·452	1·637

38427	25	11·818	1·499
38428	12	13·479	1·912
38429	11	15·499	1·767
38430	23	16·296	1·443
38431	12	16·785	1·110
38432	12	18·529	1·076
38433	18	19·443	1·320
38434	12	20·811	1·274
38435	10	21·075	1·766
38436	14	21·287	1·439
38437	13	22·067	1·556
38438	11	22·161	1·659
38439	10	23·004	1·109
38440	14	24·396	1·933
38441	25	3·696	2·376
38442	12	4·204	2·610
38443	9	5·602	2·835
38444	10	6·007	2·226
38445	12	6·364	2·071
38446	12	6·600	2·047
38447	12	6·809	2·723
38448	13	6·829	2·404
38449	9	7·300	2·368
38450	10	7·919	2·960
38451	11	10·135	2·636
38452	19	12·634	2·890
38453	10	15·385	2·368
38454	13	18·269	2·973
38455	10	20·468	2·113
38456	19	22·595	2·023
38457	12	23·173	2·501
38458	10	24·420	2·505
38459	23	24·949	2·614
38460	10	25·227	2·448
38461	12	25·239	2·945
38462	27	0·010	3·146
38463	15	0·309	3·321
38464	13	3·382	3·191
38465	28	4·403	3·809
38466	10	5·777	3·890
38467	14	6·938	3·196
38468	13	7·448	3·258
38469	13	8·858	3·148
38470	12	10·670	3·194
38471	23	10·907	3·908
38472	10	10·949	3·633
38473	20	13·299	3·714
38474	27	14·804	3·320
38475	8	14·993	3·336
38476	20	15·892	3·269
38477	17	16·269	3·644
38478	19	17·708	3·440
38479*	37	19·241	3·528
38480*	30	24·416	3·020
38481	13	24·587	3·725
38482	16	24·972	3·080
38483	35	0·486	4·511
38484	20	1·245	4·448
38485	17	3·610	4·115
38486*	33	4·721	4·321
38487	20	5·204	4·473
38488	10	6·444	4·627
38489*	40	6·623	4·680
38490	15	6·909	4·961
38491	10	7·652	4·419
38492	13	14·015	4·280
38493	14	16·605	4·968
38494	13	16·626	4·270
38495	12	16·746	4·487
38496	12	17·132	4·772
38497	10	18·275	4·055
38498	22	21·527	4·797
38499	21	22·032	4·327
38500	13	23·156	4·848

38501	10	24·726	4·384
38502	11	24·974	4·971
38503	11	25·064	4·956
38504	20	25·432	4·344
38505	11	25·503	4·712
38506	10	0·892	5·044
38507	10	14·516	5·249
38508	13	15·115	5·711
38509	13	17·129	5·781
38510	13	18·031	5·142
38511	13	18·906	5·120
38512	15	19·616	5·974
38513	23	25·775	5·965
38514	15	0·789	6·585
38515	19	2·088	6·086
38516	22	3·042	6·909
38517	20	6·395	6·955
38518	12	16·873	6·899
38519	12	19·528	6·380
38520	11	20·289	6·367
38521	30	23·592	6·716
38522	11	24·484	6·661
38523	20	25·115	6·510
38524*	40	25·377	6·472
38525	23	2·383	7·151
38526*	38	3·950	7·601
38527	13	5·485	7·584
38528	11	6·281	7·222
38529*	30	10·391	7·337
38530	13	13·451	7·622
38531	15	14·746	7·372
38532	31	14·825	7·124
38533	14	15·539	7·917
38534	12	20·630	7·911
38535	20	21·493	7·307
38536	12	21·965	7·477
38537	13	22·240	7·715
38538	10	25·033	7·504
38539	10	25·141	7·038
38540	13	3·655	8·556
38541	10	4·818	8·518
38542*	24	6·018	8·525
38543	10	7·445	8·751
38544	10	8·085	8·224
38545*	30	8·395	8·489
38546	14	11·205	8·620
38547	13	11·221	8·409
38548*	50	11·759	8·294
38549	20	14·319	8·869
38550	26	14·826	8·700
38551	9	20·566	8·258
38552	17	21·150	8·136
38553	26	21·287	8·928
38554	12	22·835	8·277
38555	13	23·535	8·955
38556	10	24·266	8·918
38557	14	24·304	8·351
38558	12	24·890	8·530
38559	25	25·333	8·741
38560	20	25·806	8·053
38561	24	0·900	9·061
38562	19	1·170	9·626
38563	10	2·518	9·009
38564	12	3·094	9·942
38565*	19	3·148	9·775
38566	10	3·842	9·211
38567	21	11·994	9·359
38568	13	12·072	9·503
38569	25	17·114	9·193
38570	14	18·740	9·038
38571	12	21·791	9·681
38572	13	23·610	9·586
38573	12	24·310	9·216
38574	22	0·944	10·359

38575	13	1·700	10·491
38576	15	2·701	10·787
38577	15	3·744	10·196
38578	11	4·161	10·546
38579	14	4·432	10·764
38580	13	6·259	10·490
38581	12	7·035	10·742
38582	20	10·137	10·710
38583	17	11·045	10·450
38584	17	11·166	10·209
38585	13	12·579	10·452
38586	29	12·822	10·497
38587	13	14·082	10·222
38588	22	17·696	10·954
38589	29	17·844	10·711
38590*	39	18·011	10·852
38591	27	18·791	10·770
38592	10	19·480	10·220
38593	12	19·944	10·791
38594	19	22·760	10·213
38595	11	23·162	10·216
38596	25	23·895	10·716
38597	20	24·143	10·725
38598	16	24·798	10·175
38599	10	25·487	10·164
38600	16	2·660	11·389
38601	11	3·179	11·644
38602	10	4·531	11·033
38603	10	6·609	11·733
38604	12	6·666	11·906
38605	11	8·896	11·072
38606	10	10·805	11·229
38607	13	11·063	11·006
38608	18	12·322	11·475
38609	15	13·672	11·023
38610	12	13·703	11·013
38611	18	13·986	11·919
38612	17	14·260	11·152
38613	13	20·551	11·205
38614	13	20·963	11·228
38615	13	21·742	11·084
38616*	33	22·039	11·422
38617	10	24·951	11·565
38618	16	25·852	11·999
38619	13	1·424	12·758
38620	14	1·611	12·041
38621	11	3·190	12·941
38622	10	3·580	12·095
38623	15	4·028	12·420
38624	12	6·242	12·409
38625	12	7·591	12·703
38626	12	7·592	12·166
38627	10	8·806	12·518
38628	22	10·742	12·740
38629	14	10·814	12·750
38630	14	12·835	12·288
38631	17	14·369	12·193
38632	13	15·679	12·589
38633	12	17·606	12·283
38634	17	19·049	12·146
38635	13	20·015	12·140
38636	13	21·507	12·930
38637	11	23·369	12·504
38638	12	23·459	12·840
38639*	30	23·762	12·100
38640	10	24·233	12·268
38641	12	2·448	13·603
38642	12	2·769	13·089
38643	10	2·795	13·653
38644	15	2·950	13·685
38645	39	3·055	13·044
38646	10	5·525	13·567
38647	13	8·254	13·176
38648	13	8·411	13·978

38649	12	9·941	13·657
38650	13	10·585	13·777
38651*	40	14·244	13·399
38652	12	16·290	13·791
38653	20	16·623	13·624
38654	13	16·655	13·486
38655	18	16·668	13·663
38656	10	20·000	13·718
38657	13	21·062	13·647
38658	11	21·137	13·128
38659*	24	21·571	13·495
38660	10	25·160	13·318
38661	21	0·110	14·218
38662	11	1·608	14·816
38663	13	2·936	14·011
38664	11	4·165	14·491
38665	11	6·210	14·573
38666	13	6·791	14·388
38667*	30	10·930	14·254
38668	21	13·150	14·066
38669	13	14·321	14·311
38670	11	15·395	14·170
38671	10	15·442	14·384
38672	18	15·786	14·553
38673*	24	22·810	14·446
38674*	39	22·891	14·659
38675	13	25·848	14·313
38676	13	0·020	15·481
38677	13	1·088	15·154
38678	11	1·737	15·078
38679	15	2·616	15·563
38680	11	3·185	15·877
38681	19	4·291	15·103
38682	12	5·605	15·309
38683	11	6·779	15·064
38684	30	7·380	15·162
38685	20	7·768	15·792
38686	13	9·628	15·868
38687	10	11·421	15·365
38688	12	12·424	15·131
38689	22	14·367	15·860
38690	11	14·496	15·391
38691	13	14·599	15·384
38692	21	15·278	15·145
38693	20	16·375	15·323
38694	25	16·754	15·733
38695*	39	16·763	15·890
38696	11	17·864	15·746
38697*	42	19·247	15·416
38698	20	21·700	15·623
38699	31	22·115	15·886
38700	16	23·549	15·688
38701	10	0·014	16·257
38702	25	5·650	16·421
38703	14	10·209	16·133
38704*	15	11·415	16·843
38705	13	12·155	16·350
38706	10	12·288	16·393
38707	10	14·178	16·099
38708	14	16·806	16·328
38719	13	18·237	16·207
38710	11	18·615	16·830
38711	17	21·575	16·840
38712	9	22·339	16·019
38713*	55	22·910	16·427
38714	13	23·457	16·674
38715	11	24·256	16·786
38716	13	1·977	17·054
38717	19	2·123	17·862
38718	10	4·850	17·244
38719	15	5·261	17·620
38720	25	6·821	17·844
38721*	61	8·776	17·104
38722	20	9·013	17·981

No.	d	x	y
38723	14	11·502	17·290
38724	21	15·155	17·463
38725	23	16·892	17·801
38726	21	17·814	17·639
38727	18	19·751	17·660
38728	12	22·145	17·560
38729	13	22·662	17·131
38730	11	22·938	17·891
38731	20	24·083	17·568
38732	13	1·082	18·581
38733	12	2·025	18·816
38734	10	3·237	18·786
38735	18	5·101	18·225
38736	11	6·649	18·899
38737	11	6·814	18·520
38738	12	9·249	18·251
38739	14	10·839	18·880
38740	12	15·324	18·928
38741	12	21·497	18·836
38742	8	22·656	18·164
38743	12	23·460	18·411
38744	15	23·853	18·531
38745	11	24·143	18·090
38746	25	0·436	19·909
38747	15	1·306	19·245
38748	16	2·650	19·530
38749	19	4·970	19·095
38750	10	6·557	19·257
38751	8	6·811	19·821
38752	14	8·558	19·009
38753	11	10·944	19·053
38754	12	11·883	19·843
38755	11	13·561	19·291
38756	13	16·110	19·408
38757	14	16·317	19·523
38758	12	16·808	19·970
38759	21	17·267	19·479
38760	19	18·563	19·435
38761	15	20·801	19·486
38762	18	22·591	19·792
38763*	30	24·159	19·810
38764	12	24·440	19·913
38765*	40	24·504	19·282
38766	11	25·453	19·466
38767	22	1·499	20·824
38768	20	3·231	20·278
38769	11	3·338	20·774
38770	19	3·390	20·192
38771	10	3·762	20·345
38772	11	6·784	20·171
38773*	20	7·162	20·288
38774	14	9·252	20·770
38775	12	10·815	20·930
38776	9	12·496	20·643
38777	11	13·075	20·860
38778	9	14·008	20·194
38779	21	14·123	20·417
38780	17	14·413	20·780
38781	19	17·407	20·911
38782	15	17·641	20·426
38783	20	18·652	20·461
38784	10	18·692	20·792
38785	9	22·994	20·711
38786	18	24·110	20·157
38787	10	25·736	20·999
38788	35	0·041	21·487
38789	25	1·710	21·862
38790*	33	2·765	21·989
38791*	29	2·820	21·439
38792	11	5·565	21·740
38793*	28	5·822	21·954
38794	12	5·925	21·041
38795	10	6·232	21·325
38796	10	6·600	21·733

No.	d	x	y
38797	13	7·344	21·358
38798	13	8·643	21·044
38799	13	9·345	21·059
38800	10	9·831	21·362
38801	12	11·353	21·070
38802	10	14·235	21·137
38803	23	14·869	21·639
38804	16	14·915	21·741
38805	10	15·784	21·961
38806	20	16·117	21·916
38807	10	18·023	21·665
38808	16	19·011	21·050
38809	20	21·474	21·190
38810	21	0·498	22·113
38811	11	1·585	22·885
38812	13	4·021	22·646
38813	11	12·713	22·235
38814	17	19·293	22·477
38815	11	21·079	22·315
38816	12	21·407	22·950
38817	20	21·483	22·643
38818	10	22·492	22·773
38819	10	23·719	22·820
38820	23	24·111	22·032
38821	10	24·610	22·014
38822	12	25·910	22·706
38823	15	2·242	23·922
38824	20	5·943	23·285
38825*	31	6·191	23·501
38826	11	7·214	23·436
38827	21	7·671	23·230
38828	13	9·729	23·946
38829	10	9·796	23·982
38830	18	10·022	23·581
38831	11	11·970	23·198
38832	10	12·295	23·147
38833	11	15·060	23·260
38834	11	16·815	23·640
38835	9	16·991	23·084
38836	13	20·248	23·234
38837	11	20·731	23·161
38838	10	21·359	23·595
38839	10	22·163	23·030
38840	11	23·504	23·402
38841	12	23·850	23·537
38842	23	24·376	23·650
38843	40	25·548	23·062
38844	15	1·949	24·414
38845	12	6·804	24·521
38846	10	7·009	24·043
38847	11	7·498	24·208
38848	13	9·731	24·055
38849*	30	9·734	24·343
38850	9	10·961	24·486
38851	18	11·094	24·931
38852	10	12·710	24·354
38853	11	14·376	24·422
38854	20	15·506	24·300
28855	11	18·092	24·665
38856	12	18·214	24·557
38857	10	19·307	24·680
38858	12	21·507	24·971
38859	14	21·875	24·748
38860	34	23·736	24·136
38861	13	24·771	24·069
38862	15	2·738	25·101
38863*	35	3·582	25·730
38864	22	7·454	25·442
38865	21	7·905	25·900
38866	13	9·377	25·835
38867	21	9·815	25·250
38868	12	10·143	25·120
38869*	42	11·127	25·803
38870	12	12·098	25·107

No.	d	x	y
38871	12	12·859	25·065
38872*	30	15·491	25·595
38873	10	15·694	25·055
38874	10	15·854	25·267
38875	14	16·225	25·782
38876	16	17·390	25·525
38877	11	17·490	25·844
38878	19	17·877	25·920
38879	11	18·044	25·456
38880	20	18·362	25·827
38881	10	19·892	25·334
38882	10	20·959	25·654
38883	11	21·731	25·172
38884	12	23·466	25·436
38885	18	23·714	25·164

R. A. 17h 28m

Plate 1996; 1902 July 11

Provisional Constants.

A	B	C
−·00055	+·00397	−·1348
D	**E**	**F**
−·00400	−·00051	+·0705

Mag. = $16{\cdot}2 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
38901*	21	2·472	0·366
38902	23	2·875	0·026
38903*	51	3·839	0·115
38904*	22	4·068	0·775
38905*	42	4·167	0·105
38906	22	4·647	0·637
38907	20	6·561	0·562
38908	20	10·436	0·800
38909	7	10·773	0·862
38910	11	11·855	0·249
38911	8	13·445	0·206
38912	12	13·670	0·145
38913*	22	15·315	0·868
38914	9	16·093	0·750
38915	12	20·715	0·632
38916	14	25·465	0·527
38917	8	10·504	1·015
38918	12	11·411	1·058
38919	12	11·600	1·303
38920	11	12·465	1·259
38921	7	13·030	1·670
38922	21	14·030	1·140
38923	8	14·275	1·537
38924	9	14·819	1·865
38925	12	17·069	1·987
38926	10	18·466	1·130
38927	16	18·752	1·040
38928	12	18·988	1·784
38929	14	19·920	1·412
38930	13	21·832	1·175
38931*	12	22·278	1·290
38932	12	23·466	1·163
38933	12	23·826	1·767
38934	13	24·750	1·415
38935	20	1·349	2·313
38936	27	1·915	2·986

No.	d	x	y
38937	23	4·409	2·290
38938	12	5·660	2·349
38939	15	14·195	2·655
38940	8	15·230	2·700
38941	7	15·255	2·962
38942	8	16·715	2·831
38943	9	19·135	2·106
38944*	14	21·123	2·681
38945	15	21·840	2·258
38946	13	24·718	2·816
38947*	30	1·386	3·402
38948	17	1·940	3·452
38949	16	5·240	3·116
38950	20	5·535	3·345
38951	8	7·190	3·799
38952	10	7·790	3·561
38953	8	8·115	3·280
38954	10	9·679	3·249
38955	16	9·872	3·122
38956	12	14·475	3·618
38957	10	15·098	3·616
38958	20	18·370	3·848
38959	12	18·605	3·145
38960	10	18·786	3·843
38961	16	18·984	3·342
38962	10	23·654	3·774
38963	16	2·420	4·709
38964	10	5·136	4·968
38965	9	8·253	4·436
38966	8	11·102	4·875
38967	10	13·735	4·993
38968	12	15·470	4·495
38969	12	19·000	4·654
38970	9	19·250	4·185
38971*	40	3·874	5·003
38972	20	5·665	5·120
38973	10	6·101	5·695
38974*	21	8·103	5·163
38975	12	8·208	5·108
38976	8	8·980	5·321
38977	8	10·120	5·160
38978	14	10·800	5·749
38979	15	12·502	5·804
38980*	44	12·574	5·749
38981	8	19·901	5·151
38982	9	21·959	5·427
38983	8	23·682	5·709
38984	19	24·368	5·697
38985	10	25·547	5·455
38986	22	2·135	6·882
38987*	43	2·395	6·840
38988	22	2·788	6·325
38989	13	3·465	6·089
38990	11	4·486	6·705
38991	9	5·995	6·656
38992	18	8·412	6·967
38993	11	9·563	6·225
38994	12	9·650	6·827
38995	20	10·581	6·505
38996	16	12·200	6·790
38997	10	14·486	6·449
38998	8	16·475	6·695
38999	9	22·253	6·001
39000	22	23·054	6·096
39001	12	24·120	6·381
39002	13	24·639	6·610
39003	9	24·959	6·532
39004	43	0·613	7·108
39005	9	6·350	7·824
39006	10	9·727	7·390
39007	15	16·066	7·125
39008	8	16·399	7·561
39009*	16	17·209	7·765
39010	15	17·320	7·290

No.	d	x	y
39011	9	17·434	7·552
39012	11	17·935	7·445
39013	22	23·366	7·539
39014	11	24·535	7·591
39015	18	1·348	8·735
39016	21	2·845	8·417
39017	15	3·135	8·879
39018	19	3·839	8·997
39019	20	3·955	8·731
39020	9	6·266	8·381
39021	10	7·286	8·085
39022	17	8·115	8·982
39023	12	11·430	8·884
39024	12	11·660	8·100
39025	12	15·668	8·299
39026	10	18·120	8·953
39027	31	18·649	8·249
39028	10	20·217	8·316
39029	11	20·275	8·929
39030	12	23·039	8·552
39031	14	24·416	8·964
39032*	17	24·606	8·217
39033	8	24·856	8·790
39034	10	25·517	8·450
39035	12	25·589	8·208
39036	15	0·585	9·347
39037	15	0·673	9·979
39038	25	2·379	9·108
39039	10	3·370	9·633
39040	10	4·717	9·260
39041	14	8·135	9·014
39042	25	9·650	9·713
39043	12	17·965	9·145
39044	13	18·550	9·062
39045	9	20·706	9·206
39046	13	21·591	9·995
39047	10	22·449	9·313
39048	12	22·991	9·505
39049	9	23·826	9·117
39050	9	23·885	9·240
39051	8	23·980	9·130
39052	10	24·027	9·325
39053	16	1·865	10·550
39054	8	3·190	10·010
39055	8	4·890	10·432
39056	10	4·997	10·690
39057	16	6·109	10·349
39058	8	6·405	10·085
39059	15	7·809	10·153
39060*	19	8·113	10·480
39061	11	9·476	10·880
39062	14	11·651	10·915
39063	15	13·279	10·836
39064	10	13·745	10·674
39065	14	19·001	10·900
39066	8	21·020	10·420
39067	12	25·186	10·047
39068	31	0·970	11·102
39069	20	1·217	11·110
39070	12	2·035	11·940
39071	8	6·890	11·050
39072	15	10·137	11·480
39073	11	10·476	11·548
39074	14	13·967	11·951
39075	14	16·261	11·731
39076	12	22·780	11·455
39077*	51	25·282	11·189
39078*	34	0·854	12·489
39079	15	2·940	12·359
39080	7	5·155	12·526
39081*	22	8·330	12·238
39082	10	10·130	12·565
39083	8	10·459	12·329
39084	9	12·779	12·532

No.	d	x	y
39085	15	13·928	12·920
39086	11	14·515	12·730
39087	14	14·782	12·910
39088	10	16·858	12·826
39089	18	18·428	12·335
39090	12	25·740	12·950
39091	20	4·495	13·355
39092	12	13·663	13·256
39093	12	14·121	13·526
39094	9	21·499	13·661
39095	9	21·855	13·320
39096	9	22·452	13·819
39097	9	23·605	13·974
39098	15	5·615	14·229
39099*	14	6·026	14·147
39100	8	6·515	14·243
39101	12	8·964	14·270
39102	13	10·383	14·120
39103	13	12·490	14·042
39104*	22	12·790	14·125
39105	14	16·698	14·279
39106*	14	22·362	14·567
39107	8	23·845	14·709
39108	53	0·017	15·059
39109	7	3·790	15·638
39110	8	8·274	15·740
39111	10	8·810	15·817
39112*	52	10·709	15·815
39113	8	14·112	15·763
39114	20	14·555	15·475
39115	10	19·463	15·965
39116	8	22·043	15·027
39117	7	25·466	15·990
39118	65	0·064	16·826
39119	18	0·687	16·079
39120	11	3·613	16·335
39121	8	4·040	16·881
39122	15	4·280	16·446
39123*	18	7·306	16·435
39124	8	9·067	16·775
39125	9	11·969	16·581
39126	14	12·130	16·290
39127	12	13·891	16·925
39128	14	15·599	16·281
39129	8	23·107	16·629
39130	8	24·751	16·545
39131	21	1·250	17·953
39132	13	3·844	17·701
39133	16	3·974	17·783
39134	8	6·384	17·858
39135	7	7·661	17·861
39136	8	8·471	17·022
39137	8	11·827	17·735
39138	12	14·202	17·949
39139	18	14·547	17·466
39140	14	15·799	17·877
39141	12	19·585	17·320
39142	12	21·925	17·600
39143	12	24·090	17·656
39144	12	24·749	17·165
39145	8	25·098	17·153
39146	10	25·563	17·403
39147	16	0·640	18·803
39148	23	1·035	18·920
39149	17	3·377	18·802
39150	10	4·330	18·234
39151	10	6·967	18·632
39152	8	7·031	18·976
39153	11	7·619	18·687
39154	8	8·865	18·462
39155	10	9·359	18·375
39156	8	11·965	18·594
39157	22	14·219	18·924
39158	10	15·518	18·431

No.	d	x	y
39159	14	17·129	18·889
39160	14	17·765	18·796
39161	10	22·473	18·215
39162	6	22·763	18·558
39163	10	24·175	18·918
39164	12	25·677	18·605
39165	15	25·882	18·376
39166*	42	1·695	19·662
39167	20	3·960	19·086
39168	11	4·816	19·798
39169	18	10·811	19·966
39170	12	16·382	19·583
39171	10	18·040	19·995
39172	8	19·821	19·325
39173	8	20·785	19·240
39174	19	23·334	19·235
39175	23	23·628	19·305
39176	22	1·313	20·540
39177*	42	1·357	20·195
39178	8	4·130	20·123
39179	18	4·214	20·537
39180	7	7·405	20·190
39181*	21	7·581	20·915
39182	8	9·240	20·155
39183	13	9·681	20·250
39184	8	11·651	20·175
39185	7	16·230	20·220
39186	10	17·350	20·624
39187	9	19·705	20·161
39188	8	21·415	20·735
39189	10	22·248	20·656
39190	7	23·404	20·958
39191	11	24·279	20·090
39192	15	25·456	20·407
39193	13	2·949	21·361
39194	12	3·257	21·514
39195	22	4·643	21·579
39196	16	5·280	21·505
39197*	32	5·974	21·836
39198	12	6·842	21·338
39199	14	7·430	21·313
39200	12	16·107	21·290
39201	12	16·229	21·521
39202	10	18·556	21·465
39203	15	18·732	21·670
39204	8	18·974	21·595
39205	12	20·900	21·135
39206	11	22·261	21·617
39207	10	22·885	21·288
39208	35	1·340	22·416
39209	20	4·366	22·060
39210	14	7·490	22·298
39211	15	8·133	22·627
39212	16	15·344	22·009
39213	9	15·678	22·390
39214	12	19·739	22·844
39215	10	19·943	22·667
39216	21	1·095	23·926
39217	40	2·787	23·425
39218	14	3·145	23·065
39219	12	5·995	23·163
39220	9	8·993	23·834
39221	12	16·745	23·753
39222	10	17·040	23·432
39223	12	18·586	23·945
39224	8	20·273	23·144
39225	11	20·430	23·877
39226	13	21·287	23·665
39227	12	21·687	23·499
39228	11	23·480	23·572
39229	45	0·991	24·524
39230	34	1·625	24·030
39231	33	3·798	24·408
39232	25	5·855	24·595

No.	d	x	y
39233	16	7·262	24·175
39234	13	7·466	24·141
39235	12	8·861	24·915
39236	9	8·870	24·887
39237	15	11·721	24·315
29238	12	12·563	24·850
39239	8	13·093	24·989
39240	19	14·507	24·402
39241	8	14·646	24·320
39242	10	17·030	24·201
39243*	20	18·147	24·785
39244	10	21·587	24·090
39245	14	22·584	24·344
39246	12	25·185	24·778
39247	20	0·980	25·553
39248	16	5·521	25·490
39249	18	7·580	25·998
39250	10	11·089	25·445
39251	11	11·197	25·770
39252	10	13·230	25·648
39253*	34	16·350	25·470
39254*	21	17·988	25·065
39255	8	18·061	25·676
39256*	20	18·220	25·940

R. A. 17h 37m

Plate 1997; 1902 July 11

Provisional Constants.

A	B	C
−·00048	+·00456	−·2446
D	**E**	**F**
−·00468	−·00038	+·2584

Mag. = 16·4 − 1·36√*d*

No.	*d*	*x*	*y*
39301	20	1·975	0·794
39302	21	2·636	0·865
39303*	60	2·681	0·595
39304	17	5·604	0·149
39305	12	6·918	0·846
39306	22	7·744	0·283
39307	24	10·259	0·080
39308	10	10·458	0·049
39309	8	13·044	0·570
39310	10	13·416	0·435
39311	7	15·528	0·320
39312	11	15·906	0·389
39313	8	16·084	0·103
39314	6	16·514	0·657
39315	8	16·978	0·504
39316	8	18·669	0·467
39317	10	18·965	0·087
39318	9	19·198	0·268
39319	11	20·546	0·195
39320	10	21·152	0·302
39321	18	3·190	1·311
39322	13	6·389	1·331
39323	11	8·573	1·065
39324	13	9·495	1·011
39325	10	11·485	1·405
39326	12	12·217	1·324
39327	9	12·439	1·885

No.	d	x	y
39328	10	15·142	1·642
39329	9	15·664	1·880
39330	10	17·269	1·770
39331	9	18·750	1·994
39332	10	18·875	1·160
39333	13	19·402	1·577
39334	8	20·100	1·767
39335	12	21·675	1·463
39336	8	22·019	1·920
39337	19	22·412	1·889
39338	10	22·514	1·851
39339	8	25·085	1·332
39340	22	25·375	1·298
39341	14	25·712	1·593
39342	21	0·358	2·066
39343	10	3·540	2·242
39344	13	7·675	2·454
39345	8	9·635	2·960
39346	12	9·860	2·389
39347	8	14·910	2·678
39348	12	15·702	2·144
39349	7	15·990	2·809
39350	12	16·990	2·317
39351	12	17·885	2·176
39352	8	18·228	2·884
39353	16	18·703	2·676
39354	8	20·054	2·277
39355	8	20·232	2·463
39356	8	20·495	2·049
39357	18	22·941	2·375
39358	13	24·864	2·593
39359	33	1·275	3·095
39360	17	2·772	3·990
39361*	26	5·014	3·362
39362	9	8·611	3·315
39363	10	11·245	3·431
39364	10	12·975	3·928
39365	20	14·772	3·516
39366	8	15·521	3·803
39367	9	16·018	3·140
39368	12	17·465	3·720
39369	8	18·477	3·485
39370	20	25·114	3·145
39371	10	25·340	3·925
39372	10	25·526	3·248
39373	8	6·530	4·963
39374*	34	6·795	4·467
39375	20	7·337	4·491
39376*	41	8·730	4·940
39377	12	12·786	4·035
39378	6	20·375	4·021
39379	9	21·591	4·950
39380	8	23·059	4·265
39381	15	24·873	4·649
39382	11	25·962	4·917
39383	34	0·980	5·983
39384	10	2·154	5·719
39385	22	3·353	5·045
39386*	24	4·798	5·301
39387	10	7·880	5·861
39388	7	11·221	5·698
39389	7	12·806	5·738
39390	8	13·630	5·525
39391	13	14·777	5·678
39392	8	15·509	5·827
39393	12	15·531	5·585
39394	8	17·049	5·090
39395	8	17·086	5·258
39396	10	18·831	5·458
39397	22	21·051	5·210
39398	10	23·489	5·713
39399	12	24·378	5·212
39400	11	25·057	5·646
39401	15	0·296	6·009

No.	d	x	y
39402	19	0·747	6·672
39403	23	1·270	6·890
39404	21	3·496	6·938
39405	8	6·935	6·966
39406	9	8·982	6·770
39407	9	10·553	6·255
39408	8	11·635	6·863
39409	12	11·955	6·955
39410	14	13·966	6·141
39411	10	14·660	6·392
39412	8	16·520	6·583
39413	20	17·005	6·440
39414*	33	18·395	6·015
39415	8	20·471	6·181
39416	7	21·085	6·745
39417	10	21·089	6·606
39418	8	23·689	6·879
39419	13	25·606	6·058
39420	47	0·615	7·845
39421	18	1·184	7·874
39422	16	3·095	7·800
39423	9	6·460	7·110
39424	11	7·710	7·080
39425	12	11·386	7·917
39426	11	11·790	7·795
39427	10	11·814	7·405
39428	14	12·300	7·803
39429	16	13·700	7·694
39430	14	14·595	7·426
39431	12	15·069	7·477
39432	12	15·884	7·859
39433	12	16·706	7·201
39434	18	16·725	7·664
39435	8	19·065	7·085
39436	6	22·101	7·853
39437	8	22·937	7·731
39438	9	23·236	7·515
39439*	30	1·272	8·500
39440	10	2·186	8·714
39441	13	2·253	8·468
39442	9	13·151	8·030
39443	13	15·870	8·765
39444	17	17·795	8·327
39445	13	18·856	8·333
39446	12	19·902	8·676
39447	8	20·925	8·394
39448	8	21·545	8·035
39449	8	22·680	8·912
39450	6	23·410	8·591
39451	8	24·322	8·847
39452*	31	24·535	8·279
39453*	32	25·195	8·024
39454	16	0·508	9·415
39455	18	0·570	9·536
39456	14	0·661	9·423
39457	21	0·715	9·616
39458	23	1·094	9·248
39459	13	1·535	9·064
39460	21	5·949	9·635
39461	8	6·435	9·310
39462	8	7·644	9·135
39463	8	7·676	9·745
39464	8	8·406	9·812
39465	15	8·895	9·540
39466	13	10·785	9·005
39467	22	13·418	9·716
39468	15	17·570	9·317
39469	12	20·675	9·935
39470	8	21·291	9·409
39471*	27	24·084	9·807
39472	12	25·231	9·013
39473	17	1·890	10·316
39474	12	3·301	10·270
39475	8	4·601	10·876

No	d	x	y
39476	9	5·258	10·683
39477	10	5·960	10·640
39478	13	11·307	10·850
39479	14	14·550	10·868
39480	14	15·835	10·667
39481	12	20·895	10·623
39482	10	22·010	10·540
39483	10	22·645	10·685
39484	8	24·360	10·570
39485	10	1·367	11·742
39486*	62	2·010	11·455
39487	12	4·362	11·183
39488	15	4·367	11·945
39489	10	4·647	11·875
39490	16	6·262	11·500
39491*	20	7·165	11·190
39492	10	9·275	11·570
39493*	30	10·307	11·506
39494	14	14·527	11·307
39495	15	16·041	11·778
39496	10	20·115	11·529
39497	12	25·377	11·561
39498*	20	9·450	12·922
39499	8	9·775	12·899
39500	14	12·887	12·950
39501	12	13·810	12·304
39502	14	14·716	12·979
39503	9	15·391	12·810
39504	16	15·490	12·020
39505*	31	19·715	12·200
39506	12	22·646	12·509
39507	8	23·423	12·861
39508	7	23·940	12·426
39509	8	25·919	12·282
39510	15	2·504	13·207
39511	16	2·946	13·152
39512	10	5·754	13·682
39513	12	6·301	13·641
39514	9	9·645	13·303
39515	12	12·803	13·738
39516	12	16·326	13·835
39517	13	17·735	13·694
39518	8	19·069	13·806
39519	10	19·940	13·480
39520*	12	21·305	13·118
39521	9	25·135	13·745
39522	10	2·972	14·471
39523	8	4·411	14·222
39524*	22	4·909	14·529
39525*	27	5·916	14·050
39526	10	7·679	14·091
39527	8	10·238	14·891
39528	8	14·335	14·732
39529	9	19·940	14·635
39530*	23	22·375	14·300
39531	8	23·699	14·098
39532	10	6·734	15·485
39533	8	7·874	15·071
39534	10	11·425	15·191
39535	12	14·570	15·721
39536	12	18·753	15·582
39537	10	20·526	15·091
39538*	37	23·260	15·273
39539	8	23·700	15·083
39540	8	25·150	15·788
39541	12	2·294	16·249
39542*	38	3·950	16·261
39543	10	4·369	16·238
39544	11	4·814	16·001
39545	8	6·904	16·360
39546	8	7·910	16·225
39547*	46	10·727	16·269
39548	8	11·367	16·952
39549	9	12·345	16·345

No	d	x	y
39550	9	16·630	16·589
39551	13	20·491	16·607
39552	13	24·507	16·233
39553	23	0·952	17·946
39554	19	1·600	17·442
39555	14	2·421	17·661
39556	12	3·171	17·717
39557	8	4·206	17·240
39558	8	6·259	17·207
39559	20	7·515	17·796
39560*	50	12·626	17·283
39561*	41	12·983	17·155
39562	9	13·490	17·698
39563	12	13·505	17·747
39564	9	14·412	17·325
39565	10	15·486	17·055
39566	12	15·961	17·750
39567	11	16·753	17·257
39568	10	18·556	17·433
39569	8	20·603	17·820
39570	10	21·287	17·854
39571	11	24·874	17·380
39572	12	2·559	18·863
39573	22	2·756	18·630
39574	12	3·717	18·040
39575	12	3·752	18·784
39576	26	3·785	18·779
39577	20	3·935	18·098
39578	12	4·040	18·135
39579	10	4·735	18·672
39580	26	5·854	18·686
39581	9	6·599	18·760
39582	8	8·302	18·294
39583	11	8·411	18·451
39584	10	10·601	18·140
39585	13	14·342	18·771
39586	9	15·821	18·365
39587	9	16·167	18·869
39588	8	18·542	18·815
39589	7	19·297	18·324
39590	9	21·872	18·584
39591	11	22·450	18·633
39592	34	0·226	19·541
39593	41	0·523	19·604
39594	22	1·062	19·205
39595*	31	3·331	19·826
39596*	30	3·709	19·786
39597	14	4·058	19·539
39598	10	6·056	19·300
39599	10	6·760	19·460
39600	8	7·336	19·370
39601	9	8·169	19·020
39602	12	8·414	19·038
39603	8	9·830	19·255
39604	14	10·602	19·572
39605	9	12·740	19·731
39606	8	15·308	19·958
39607	21	15·405	19·657
39608	8	16·849	19·936
39609	14	18·873	19·805
39610	8	20·329	19·050
39611	16	21·840	19·306
39612	10	22·409	19·640
39613	18	23·158	19·906
39614	9	25·261	19·649
39615*	53	25·392	19·731
39616	22	1·191	20·376
39617	17	2·376	20·669
39618	10	6·557	20·269
39619	8	7·845	20·368
39620*	21	9·832	20·151
39621	8	10·216	20·255
39622	7	10·929	20·399
39623	8	11·338	20·510

No	d	x	y
39624	9	12·651	20·774
39625	8	13·740	20·291
39626	8	14·760	20·770
39627	14	14·929	20·556
39628	7	17·691	20·872
39629	15	18·905	20·634
39630	10	20·070	20·403
39631	10	20·844	20·069
39632	11	21·743	20·340
39633	14	22·405	20·190
39634	13	5·355	21·863
39635	8	6·820	21·469
39636	21	7·990	21·418
39637	8	12·347	21·472
39638*	37	15·082	21·225
39639	20	15·316	21·296
39640*	31	15·761	21·439
39641	7	16·037	21·350
39642	22	17·300	21·217
39643	20	18·235	21·695
39644	10	18·358	21·369
39645	7	18·706	21·124
39646	7	19·252	21·229
39647	11	20·574	21·528
39648	8	21·643	21·542
39649*	32	22·324	21·613
39650	16	6·677	22·048
39651	16	8·640	22·731
39652	8	10·706	22·555
39653	10	10·711	22·511
39654	8	12·453	22·346
39655	8	13·056	22·941
39656	14	14·610	22·135
39657	8	17·953	22·835
39658	8	18·367	22·745
39659	8	18·950	22·354
39660	7	19·053	22·411
39661	8	19·359	22·045
39662	8	21·855	22·969
39663	11	24·069	22·496
39664*	23	24·279	22·885
39665	11	24·438	22·444
39666	8	25·220	22·593
39667*	40	3·017	23·028
39668*	25	4·290	23·758
39669	15	4·306	23·405
39670	9	13·113	23·188
39671	8	13·386	23·543
39672	13	13·638	23·435
39673	8	14·977	23·853
39674	12	15·203	23·377
39675	8	15·578	23·334
39676	12	16·424	23·829
39677	13	17·380	23·490
39678	10	17·731	23·088
39679	9	19·232	23·609
39680	9	20·284	23·197
39681	20	23·196	23·534
39682	11	8·423	24·844
39683*	31	8·842	24·517
39684	10	14·285	24·704
39685	14	14·549	24·845
39686	10	14·835	24·358
39687	9	14·842	24·548
39688	11	18·546	24·514
39689	15	18·650	24·188
39690	11	18·660	24·959
39691	13	20·609	24·695
39692	22	25·835	24·095
39693	8	2·045	25·161
39694	19	5·973	25·848
39695	12	8·461	25·850
39696	11	9·829	25·195
39697	10	10·480	25·985

No	d	x	y
39698	9	12·713	25·422
39699	10	14·352	25·349
39700	7	14·879	25·916
39701	12	17·095	25·990
39702	17	17·678	25·708
39703	10	17·945	25·530
39704	15	22·576	25·791

R. A. 17h 46m.

Plate 1980; 1902 June 27

Provisional Constants.

A	B	C
−·00050	+·01059	−·3988

D	E	F
−·01042	−·00038	−·0359

Mag. = 17·5 − 1·36 $\sqrt{d}$

No	d	x	y
39801	13	5·071	0·072
39802	14	5·404	0·134
39803	21	8·149	0·450
39804	12	8·496	0·315
39805	13	10·209	0·507
39806	14	11·235	0·231
39807	10	12·580	0·739
39808	13	14·359	0·337
39809	22	14·425	0·751
39810	22	15·198	0·870
39811	13	16·124	0·113
39812	13	17·584	0·639
39813	11	18·204	0·766
39814	13	18·531	0·344
39815	13	18·705	0·612
39816	10	19·299	0·064
39817	20	21·947	0·407
39818	12	24·129	0·653
39819	20	24·902	0·508
39820	10	25·452	0·895
39821	15	1·565	1·121
39822	43	1·855	1·085
39823	17	2·198	1·365
39824	22	7·363	1·689
39825	13	9·475	1·932
39826	23	11·018	1·255
39827	10	11·638	1·174
39828	18	13·509	1·760
39829	12	13·544	1·922
39830*	63	15·510	1·075
39831	11	15·900	1·740
39832	12	17·231	1·437
39833	18	18·471	1·108
39834	13	20·411	1·320
39835	12	21·511	1·068
39836	19	21·964	1·307
39837	10	22·063	1·318
39838	14	23·595	1·654
39839	18	24·068	1·298
39840	18	24·550	1·297
39841	13	25·314	1·445
39842	31	25·580	1·171
39843	18	25·807	1·558
39844	15	1·376	2·391

No	d	x	y
39845	34	1·642	2·93
39846	13	5·045	2·71
39847	11	5·215	2·85
39848	11	6·102	2·73
39849	11	8·150	2·14
39850	10	9·682	2·12
39851	12	13·152	2·19
39852	12	13·689	2·72
39853*	33	15·372	2·27
39854	10	17·776	2·97
39855*	30	18·421	2·11
39856*	22	20·000	2·33
39857	12	20·208	2·69
39858	12	22·134	2·32
39859	10	22·320	2·43
39860	13	23·623	2·46
39861	10	24·854	2·97
39862	12	25·359	2·35
39863	15	0·660	3·61
39864	12	1·887	3·70
39865	10	2·052	3·02
39866	27	2·693	3·94
39867	11	3·040	3·03
39868	9	4·910	3·96
39869	10	5·685	3·26
39870	14	11·768	3·59
39871	10	13·015	3·95
39872*	22	15·562	3·13
39873	9	15·592	3·33
39874*	50	15·842	3·93
39875	11	15·983	3·35
39876	23	19·086	3·85
39877	11	20·206	3·57
39878	11	21·035	3·28
39879	35	21·760	3·19
39880	12	25·748	3·66
39881	29	1·439	4·44
39882	10	2·534	4·68
39883	12	4·654	4·36
39884	11	10·212	4·00
39885	12	10·939	4·66
39886	14	11·115	4·78
39887	11	11·873	4·44
39888	10	12·005	4·62
39889	18	13·922	4·63
39890	14	14·299	4·95
39891	19	16·342	4·35
39892	20	20·675	4·41
39893	11	20·974	4·58
39894	12	22·230	4·86
39895	14	22·358	4·79
39896	12	22·581	4·81
39897	10	23·393	4·26
39898	25	0·082	5·54
39899	24	0·960	5·02
39900	12	1·649	5·44
39901	13	2·207	5·83
39902	10	5·231	5·43
39903	12	5·334	5·28
39904	14	6·572	5·52
39905	10	7·166	5·39
39906*	39	7·469	5·54
39907	17	9·136	5·68
39908	12	11·120	5·71
39909	23	11·587	5·58
39910	11	12·863	5·72
39911	10	14·099	5·32
39912	11	17·364	5·65
39913	20	17·626	5·77
39914	10	18·229	5·44
39915	12	20·491	5·57
39916	13	21·040	5·85
39917	20	22·073	5·02
39918*	51	23·030	5·44

39919	11	23·936	5·559	39993	26	15·011	9·340	40067	10	19·882	13·471	40141	12	19·649	17·308	40215	11	5·340	21·544
39920	23	24·822	5·906	39994	17	18·374	9·135	40068	12	22·277	13·522	40142	12	19·781	17·583	40216	10	6·288	21·656
39921	20	3·293	6·472	39995	17	19·206	9·506	40069	11	22·825	13·223	40143*	30	20·203	17·660	40217	20	10·013	21·104
39922	13	4·938	6·536	39996*	33	19·610	9·968	40070	12	23·045	13·601	40144	11	22·728	17·541	40218	16	10·601	21·431
39923	12	6·091	6·075	39997	13	20·343	9·585	40071	10	23·748	13·696	40145	20	23·142	17·899	40219	16	10·624	21·150
39924	11	7·804	6·897	39998	10	22·063	9·959	40072	9	24·515	13·770	40146	14	23·227	17·996	40220	11	10·711	21·571
39925	16	10·626	6·659	39999	12	23·566	9·576	40073	19	24·665	13·267	40147	10	23·625	17·406	40221	12	11·074	21·444
39926	11	11·242	6·967	40000	10	24·920	9·841	40074	10	24·709	13·815	40148	12	24·647	17·180	40222	10	11·477	21·844
39927	13	12·328	6·845	40001	13	1·081	10·378	40075	11	24·720	13·715	40149	14	25·029	17·103	40223	12	11·593	21·115
39928	27	12·417	6·594	40002	11	3·355	10·138	40076	10	24·767	13·890	40150	22	25·132	17·815	40224	12	12·442	21·808
39929	26	13·153	6·818	40003	29	3·898	10·870	40077	13	0·539	14·909	40151	13	3·593	18·419	40225	12	12·514	21·078
39930	14	13·827	6·462	40004	10	4·448	10·362	40078	18	2·963	14·094	40152	20	4·022	18·247	40226	11	13·286	21·569
39931	10	14·430	6·169	40005	10	5·045	10·025	40079	10	6·393	14·848	40153	13	4·735	18·329	40227	18	14·181	21·189
39932	12	15·937	6·590	40006	10	6·162	10·519	40080	16	8·900	14·358	40154	13	7·495	18·412	40228	10	14·595	21·751
39933	12	18·717	6·881	40007	10	8·842	10·076	40081	10	9·770	14·958	40155	13	9·043	18·834	40229	12	15·125	21·792
39934	12	18·958	6·282	40008	14	8·985	10·493	40082	13	11·703	14·758	40156	13	11·543	18·160	40230	19	15·167	21·310
39935	14	19·352	6·318	40009	18	10·190	10·771	40083	22	12·762	14·754	40157	12	13·213	18·052	40231	20	15·331	21·013
39936	12	23·769	6·784	40010	22	12·838	10·234	40084	13	13·829	14·630	40158	10	13·734	18·229	40232	11	16·578	21·981
39937	14	24·018	6·371	40011	17	13·144	10·930	40085	10	16·042	14·494	40159	12	15·328	18·347	40233	12	16·954	21·354
39938	14	24·780	6·521	40012	14	15·131	10·305	40086*	37	17·353	14·583	40160	10	16·969	18·889	40234	12	18·247	21·492
39939	14	24·877	6·743	40013	31	18·130	10·151	40087	13	17·681	14·038	40161	14	17·435	18·790	40235	10	18·336	21·361
39940*	50	1·849	7·811	40014	14	20·098	10·602	40088*	40	18·468	14·520	40162	31	18·782	18·765	40236	9	18·669	21·814
39941	13	2·848	7·121	40015	19	20·461	10·599	40089*	32	21·681	14·132	40163	11	19·485	18·792	40237	10	18·691	21·810
39942	19	5·248	7·218	40016	16	22·608	10·495	40090	11	22·206	14·292	40164	10	20·055	18·157	40238	11	19·547	21·899
39943	11	5·889	7·157	40017*	22	23·472	10·596	40091	16	23·814	14·951	40165	10	20·118	18·538	40239	20	19·692	21·819
39944	30	7·095	7·069	40018	11	24·167	10·770	40092	11	24·931	14·369	40166	18	20·453	18·651	40240	11	20·800	21·865
39945	11	7·535	7·008	40019	10	3·741	11·545	40093	13	25·784	14·905	40167	12	20·937	18·560	40241*	29	21·522	21·980
39946	12	7·680	7·317	40020	12	4·050	11·285	40094*	73	0·106	15·107	40168	23	22·390	18·114	40242	10	21·701	21·307
39947	20	10·970	7·692	40021	16	6·220	11·630	40095	11	2·010	15·572	40169*	30	22·490	18·721	40243	14	1·101	22·310
39948	12	11·631	7·678	40022	15	8·927	11·490	40096	20	4·786	15·211	40170	23	24·620	18·594	40244*	43	1·320	22·691
39949	14	15·650	7·251	40023	14	9·525	11·691	40097*	27	6·290	15·917	40171	44	0·122	19·742	40245	20	1·465	22·248
39950	21	16·305	7·099	40024	13	10·058	11·228	40098	17	6·395	15·131	40172	11	2·218	19·434	40246	10	2·251	22·377
39951	10	19·068	7·112	40025	18	14·481	11·605	40099	12	7·372	15·299	40173*	84	2·350	19·511	40247	21	4·802	22·806
39952	10	19·650	7·955	40026	10	18·677	11·130	40100	12	10·217	15·947	40174	20	3·386	19·364	40248	22	4·946	22·524
39953	10	20·410	7·358	40027	14	19·424	11·739	40101	13	11·262	15·834	40175	17	3·785	19·993	40249	14	5·579	22·478
39954	11	21·770	7·179	40028	10	21·416	11·781	40102	13	13·419	15·350	40176	12	6·205	19·542	40250	10	5·906	22·429
39955	12	22·974	7·144	40029	17	23·765	11·195	40103	12	14·253	15·486	40177	10	6·504	19·753	40251	10	6·421	22·090
39956	12	23·297	7·834	40030	30	24·722	11·448	40104	13	15·477	15·266	40178	16	6·879	19·051	40252	11	6·440	22·606
39957	28	23·835	7·115	40031	10	25·427	11·415	40105	10	16·619	15·514	40179	19	7·541	19·135	40253	10	9·747	22·600
39958	10	24·313	7·857	40032	29	25·621	11·232	40106*	44	16·719	15·553	40180	15	9·235	19·130	40254	20	14·096	22·085
39959	26	24·385	7·561	40033	16	0·202	12·692	40107	20	20·096	15·724	40181	16	9·675	19·574	40255	20	14·141	22·640
39960	12	0·074	8·426	40034	11	0·708	12·245	40108	23	20·730	15·950	40182	12	10·051	19·366	40256	9	14·748	22·885
39961*	51	1·195	8·084	40035	10	2·684	12·051	40109	13	21·435	15·216	40183	10	10·737	19·678	40257	12	14·848	22·994
39962	23	1·911	8·799	40036	11	3·052	12·385	40110	28	22·572	15·975	40184	27	13·124	19·957	40258	10	15·235	22·163
39963	13	5·261	8·114	40037	10	4·034	12·749	40111	16	24·518	15·200	40185	10	13·472	19·431	40259	10	15·956	22·496
39964	13	5·885	8·663	40038	12	4·485	12·686	40112	20	24·710	15·667	40186*	40	13·659	19·082	40260	10	16·553	22·439
39965	17	6·550	8·732	40039	13	6·183	12·401	40113	27	1·376	16·036	40187	12	13·730	19·094	40261	15	17·275	22·882
39966	14	7·199	8·050	40040	11	8·439	12·083	40114	10	2·140	16·414	40188	28	15·545	19·934	40262	13	18·511	22·692
39967	30	7·410	8·701	40041	11	9·000	12·144	40115	13	3·352	16·755	40189	11	16·205	19·461	40263	10	18·661	22·202
39968	19	9·774	8·262	40042	26	11·697	12·629	40116	13	4·298	16·116	40190	12	18·942	19·451	40264*	30	22·421	22·651
39969	15	16·410	8·927	40043	22	16·016	12·256	40117	11	5·145	16·676	40191	13	19·430	19·875	40265	13	24·093	22·744
39970	17	17·667	8·812	40044	14	16·194	12·506	40118	12	5·484	16·551	40192	27	21·917	19·205	40266	18	24·215	22·824
39971	22	18·700	8·231	40045	19	17·159	12·304	40119	9	5·626	16·577	40193	10	22·006	19·684	40267	12	24·428	22·452
39972	22	20·945	8·042	40046	13	19·164	12·109	40120	12	6·481	16·330	40194	9	22·912	19·291	40268	10	24·712	22·855
39973	12	22·496	8·301	40047	22	19·733	12·656	40121	20	7·321	16·156	40195	20	23·312	19·406	40269	23	24·965	22·596
39974	10	23·272	8·230	40048	10	20·051	12·636	40122	23	11·794	16·516	40196	12	25·578	19·555	40270	20	25·572	22·387
39975*	20	23·725	8·252	40049	23	20·145	12·393	40123	11	14·307	16·992	40197	15	3·281	20·070	40271	48	0·256	23·370
39976	12	23·988	8·439	40050*	40	20·380	12·027	40124	14	14·828	16·489	40198	17	6·820	20·678	40272	29	2·910	23·861
39977	13	24·425	8·179	40051*	45	20·788	12·775	40125	19	15·413	16·969	40199	11	6·952	20·126	40273	11	4·008	23·059
39978	13	0·686	9·797	40052	10	21·251	12·875	40126	13	16·907	16·635	40200	10	7·566	20·228	40274	10	9·683	23·227
39979*	50	0·784	9·624	40053	13	22·203	12·610	40127	10	23·398	16·581	40201	10	9·495	20·967	40275	12	9·759	23·198
39980	11	2·838	9·469	40054	10	25·266	12·905	40128	10	1·772	17·171	40202	10	9·790	20·869	40276	10	10·125	23·753
39981	10	4·834	9·235	40055	17	0·511	13·922	40129	11	3·364	17·631	40203	10	12·160	20·846	40277	9	15·979	23·164
39982	21	4·913	9·199	40056	14	1·941	13·530	40130	11	3·600	17·944	40204	10	13·416	20·945	40278	10	17·850	23·820
39983	10	7·593	9·793	40057	39	2·885	13·094	40131	10	10·183	17·985	40205	37	14·505	20·297	40279	10	18·316	23·721
39984	11	7·629	9·192	40058	10	3·390	13·054	40132	21	12·038	17·063	40206	12	17·478	20·400	40280	14	21·305	23·289
39985*	32	7·851	9·934	40059	13	3·589	13·882	40133	13	12·926	17·497	40207	13	18·815	20·460	40281	30	23·241	23·438
39986	10	8·965	9·176	40060	11	7·704	13·268	40134	14	15·118	17·854	40208	19	21·950	20·270	40282	10	23·594	23·619
39987	12	9·283	9·054	40061	13	10·538	13·817	40135	16	15·842	17·231	40209	17	24·414	20·035	40283	14	25·785	23·694
39988	14	10·339	9·586	40062	29	10·713	13·300	40136	10	17·653	17·968	40210	10	24·433	20·051	40284	15	3·479	24·084
39989	13	12·065	9·702	40063	13	12·375	13·754	40137	31	18·170	17·850	40211	10	25·241	20·299	40285	33	3·914	24·280
39990	16	13·608	9·190	40064*	55	12·977	13·624	40138	15	19·061	17·711	40212	10	3·220	21·478	40286	21	8·209	24·347
39991	20	14·444	9·291	40065	11	18·019	13·188	40139	13	19·253	17·804	40213	30	4·535	21·986	40287	20	9·498	24·921
39992	19	14·507	9·333	40066	13	18·142	13·558	40140	28	19·410	17·779	40214	27	4·804	21·999	40288	14	11·342	24·079

40289	10	11·484	24·852
40290	10	12·513	24·279
40291	10	14·412	24·913
40292	30	14·945	24·336
40293	11	16·702	24·842
40294	10	17·346	24·720
40295	20	17·700	24·135
40296	21	18·149	24·040
40297	11	20·148	24·110
40298	13	20·204	24·303
40299	12	24·106	24·150
40300	15	25·389	24·641
40301	15	3·473	25·933
40302	20	3·514	25·562
40303	13	5·225	25·161
40304	12	5·587	25·429
40305	12	6·375	25·191
40306	12	6·549	25·169
40307	13	9·041	25·720
40308	20	12·543	25·042
40309	12	13·131	25·069
40310	12	13·842	25·826
40311	10	17·493	25·766
40312	10	17·935	25·716
40313*	58	19·197	25·222
40314	28	19·315	25·889
40315	10	19·390	25·195
40316	11	22·098	25·981

R. A. 17h 55m

Plate 1998; 1902 July 11

Provisional Constants.

A	B	C
−·00045	+·00402	−·2003
D	**E**	**F**
−·00408	−·00071	−·2018

Mag. = 15·9 − 1·36 $\sqrt{d}$

No.	d	x	y
40401	30	1·713	0·580
40402	15	3·564	0·864
40403	12	4·902	0·749
40404	14	6·714	0·621
40405	8	13·767	0·796
40406	9	14·226	0·828
40407	13	14·531	0·942
40408	10	14·563	0·355
40409	8	14·581	0·741
40410	8	15·581	0·295
40411	9	16·184	0·235
40412	20	0·890	1·381
40413	28	1·374	1·374
40414	15	2·137	1·517
40415*	33	2·401	1·236
40416	22	2·631	1·622
40417	20	3·874	1·189
40418	14	5·733	1·180
40419	12	6·235	1·495
40420	11	6·411	1·264
40421	11	9·200	1·433
40422	10	12·631	1·556
40423	34	13·323	1·415
40424*	41	13·387	1·408
40425	9	14·094	1·202
40426	9	14·297	1·925
40427	8	14·607	1·760
40428	12	17·015	1·145
40429	10	17·847	1·325
40430	10	20·046	1·830
40431*	16	22·150	1·367
40432	16	25·632	1·308
40433	10	7·746	2·192
40434	10	8·068	2·743
40435	9	10·680	2·430
40436*	20	10·749	2·804
40437	10	10·886	2·385
40438	10	12·190	2·145
40439	7	12·894	2·300
40440	21	17·295	2·406
40441	10	18·210	2·381
40442	8	18·787	2·168
40443	14	18·894	2·765
40444	10	21·408	2·723
40445	9	25·378	2·780
40446	12	5·208	3·479
40447	20	5·540	3·001
40448	14	5·905	3·612
40449	9	7·040	3·332
40450	11	8·010	3·035
40451	10	8·084	3·302
40452	12	10·000	3·589
40453	10	11·301	3·491
40454*	78	11·969	3·115
40455	14	12·411	3·959
40456	14	12·622	3·570
40457	8	13·371	3·712
40458	21	13·576	3·623
40459	8	13·675	3·411
40460	9	14·044	3·405
40461	12	16·950	3·811
40462	11	17·442	3·470
40463	12	18·340	3·115
40464	8	20·805	3·575
40465	8	22·116	3·543
40466	8	22·971	3·490
40467	12	4·873	4·822
40468	9	6·014	4·205
40469	7	6·460	4·533
40470	10	7·376	4·792
40471*	30	8·935	4·413
40472	9	10·745	4·435
40473	12	12·065	4·376
40474	11	12·933	4·495
40475	12	13·704	4·441
40476	9	14·242	4·207
40477	8	14·623	4·099
40478	16	14·914	4·173
40479	10	15·305	4·305
40480	15	17·780	4·540
40481	9	18·949	4·625
40482	8	19·818	4·097
40483	7	21·580	4·943
40484*	31	23·459	4·897
40485	9	24·374	4·520
40486	15	0·817	5·644
40487	21	1·710	5·980
40488	15	3·787	5·221
40489	12	4·316	5·154
40490	9	5·073	5·865
40491	10	5·175	5·825
40492	7	5·594	5·734
40493	18	6·763	5·309
40494*	19	6·790	5·450
40495	10	10·155	5·015
40496	12	10·346	5·620
40497	14	10·608	5·158
40498	9	10·899	5·118
40499	10	12·751	5·600
40500	18	12·895	5·137
40501	8	14·739	5·751
40502	10	14·900	5·815
40503*	28	16·110	5·671
40504	22	16·156	5·757
40505	13	16·425	5·715
40506	10	17·768	5·449
40507	7	19·831	5·971
40508	7	22·245	5·533
40509	9	23·855	5·526
40510	9	24·678	5·913
40511	42	25·956	5·316
40512	21	0·666	6·870
40513	20	0·909	6·456
40514	13	1·674	6·593
40515	15	1·775	6·815
40516	10	5·207	6·482
40517	9	5·435	6·023
40518	15	5·670	6·037
40519	14	6·640	6·499
40520	10	6·659	6·487
40521	12	9·660	6·991
40522	11	10·664	6·732
40523	21	11·336	6·485
40524	13	12·598	6·547
40525	10	13·119	6·783
40526	11	13·139	6·250
40527	10	13·206	6·610
40528	9	15·243	6·438
40529	8	21·670	6·395
40530	8	21·881	6·100
40531	12	23·155	6·320
40532	10	23·575	6·411
40533	12	23·739	6·141
40534	15	24·540	6·055
40535	8	25·025	6·735
40536	38	0·738	7·204
40537	32	1·295	7·639
40538	18	3·061	7·825
40539	8	5·309	7·614
40540	8	7·333	7·614
40541	12	7·590	7·359
40542	14	7·815	7·948
40543	7	8·771	7·748
40544	10	9·289	7·612
40545	13	10·741	7·759
40546	12	11·405	7·592
40547	15	11·953	7·089
40548	9	12·290	7·753
40549	13	12·526	7·470
40550*	22	13·128	7·914
40551	12	16·662	7·549
40552	16	17·465	7·174
40553	10	17·714	7·975
40554	12	17·884	7·899
40555	8	19·555	7·186
40556	14	20·184	7·917
40557	14	20·403	7·121
40558	7	22·159	7·867
40559*	44	22·568	7·355
40560	8	23·325	7·036
40561	8	24·034	7·949
40562	7	24·445	7·745
40563	9	24·745	7·919
40564	12	25·349	7·536
40565*	27	0·642	8·341
40566	18	0·906	8·524
40567	11	1·343	8·258
40568	10	4·715	8·936
40569	10	4·827	8·625
40570	8	8·104	8·546
40571	15	9·902	8·356
40572	13	12·536	8·922
40573	12	16·171	8·038
40574	8	17·935	8·446
40575	11	18·200	8·128
40576*	40	19·553	8·483
40577	14	22·062	8·434
40578	8	22·471	8·936
40579	9	23·696	8·526
40580	14	6·581	9·992
40581*	21	7·260	9·830
40582	9	8·172	9·753
40583	8	8·575	9·978
40584	10	10·333	9·828
40585	13	14·542	9·490
40586*	40	14·621	9·530
40587	10	23·285	9·378
40588	7	24·142	9·508
40589	9	24·360	9·347
40590	9	25·270	9·196
40591*	32	0·422	10·687
40592	10	6·230	10·111
40593	8	8·833	10·990
40594	10	12·225	10·785
40595	15	14·467	10·582
40596	12	15·335	10·406
40597	11	18·502	10·470
40598	16	21·009	10·187
40599*	15	21·156	10·409
40600*	23	21·858	10·071
40601	8	22·190	10·184
40602	12	22·710	10·183
40603	9	24·715	10·154
40604	19	0·721	11·282
40605	30	1·685	11·522
40606*	30	2·577	11·295
40607	12	4·663	11·303
40608	8	5·340	11·417
40609	7	5·700	11·042
40610	12	7·095	11·355
40611	15	8·095	11·386
40612	13	16·957	11·285
40613	8	23·885	11·229
40614	10	24·657	11·457
40615	8	25·840	11·819
40616	7	25·874	11·315
40617	8	25·935	11·275
40618	21	6·468	12·254
40619	6	7·165	12·875
40620	10	12·900	12·990
40621	12	14·263	12·221
40622	13	18·576	12·432
40623	15	19·267	12·300
40624	14	20·470	12·962
40625	8	24·980	12·204
40626	8	25·065	12·786
40627	19	0·039	13·697
40628	15	1·652	13·342
40629	13	1·700	13·891
40630	14	1·712	13·787
40631	13	3·961	13·030
40632	8	7·794	13·969
40633	8	9·275	13·850
40634	14	17·500	13·697
40635	14	19·311	13·407
40636	8	20·312	13·703
40637	7	21·040	13·675
40638	8	23·409	13·564
40639	7	23·857	13·135
40640	14	24·948	13·075
40641	8	25·021	13·587
40642	8	25·959	13·308
40643	12	2·794	14·965
40644	19	4·015	14·542
40645	13	6·636	14·459
40646	6	7·054	14·515
40647	9	10·475	14·344
40648	12	12·474	14·715
40649	20	19·244	14·433
40650	21	20·809	14·749
40651	18	0·822	15·036
40652	8	1·531	15·277
40653	19	1·726	15·740
40654	8	6·463	15·879
40655	16	7·136	15·159
40656	10	9·702	15·574
40657*	17	11·899	15·019
40658	14	13·994	15·110
40659	12	15·835	15·936
40660	14	19·838	15·300
40661	13	21·677	15·232
40662	9	22·295	15·573
40663	8	22·544	15·022
40664	13	23·300	15·714
40665*	33	3·519	16·927
40666	10	4·470	16·473
40667	8	4·539	16·726
40668	8	4·974	16·803
40669	12	5·304	16·534
40670	14	5·319	16·542
40671*	22	5·465	16·826
40672	7	5·585	16·166
40673	7	7·065	16·303
40674	7	7·301	16·836
40675	6	8·350	16·053
40676	11	10·180	16·824
40677	8	11·990	16·560
40678	16	19·045	16·113
40679	8	22·704	16·884
40680	8	24·535	16·352
40681	10	25·347	16·008
40682	30	0·193	17·992
40683	13	0·666	17·496
40684	16	1·689	17·253
40685	18	2·068	17·173
40686	23	2·179	17·885
40687	10	6·129	17·047
40688	7	6·452	17·967
40689	20	8·112	17·384
40690	8	9·550	17·765
40691	12	10·693	17·963
40692	8	11·603	17·248
40693	10	11·871	17·719
40694	10	12·158	17·151
40695	7	12·945	17·116
40696	21	13·218	17·896
40697	9	13·723	17·372
40698	10	15·896	17·970
40699	8	16·538	17·139
40700	11	18·127	17·580
40701	12	19·866	17·555
40702	10	20·886	17·214
40703	7	20·945	17·270
40704	8	24·385	17·814
40705	12	24·390	17·586
40706	26	0·276	18·090
40707	32	1·678	18·669
40708	12	4·101	18·358
40709	10	5·205	18·876
40710	20	5·375	18·112
40711	8	6·077	18·214
40712	8	8·903	18·438
40713	7	9·315	18·202
40714	10	9·384	18·538
40715	10	9·703	18·956
40716	8	9·947	18·034
40717	7	10·885	18·689
40718	8	11·409	18·064
40719	6	12·912	18·711

No.	d	x	y	No.	d	x	y	No.	d	x	y	No.	d	x	y	No.	d	x	y
40720	9	13·218	18·173	40794	8	15·731	22·062	40903	12	3·738	0·235	40977	5	2·230	3·706	41051	5	4·705	6·255
40721	8	15·707	18·840	40795	6	15·981	22·349	40904	5	5·878	0·339	40978	7	3·725	3·624	41052	5	4·909	6·036
40722	20	16·995	18·825	40796	7	18·309	22·248	40905	8	7·510	0·853	40979	5	4·031	3·595	41053	10	6·473	6·515
40723	8	17·955	18·286	40797	8	19·859	22·062	40906	6	8·637	0·589	40980	15	4·150	3·170	41054	10	6·505	6·555
40724	8	24·561	18·932	40798	8	20·575	22·045	40907	5	10·202	0·443	40981	14	4·355	3·315	41055	18	6·575	6·725
40725	12	25·522	18·305	40799	7	22·460	22·619	40908	5	10·627	0·590	40982	20	4·714	3·915	41056	5	6·835	6·630
40726	10	25·725	18·744	40800	10	22·649	22·505	40909	9	11·721	0·499	40983	6	7·113	3·025	41057	8	7·075	6·925
40727	28	0·381	19·499	40801	41	0·364	23·534	40910	8	13·785	0·805	40984	20	8·798	3·656	41058	5	8·216	6·825
40728*	23	3·612	19·763	40802	21	4·453	23·690	40911	6	15·320	0·790	40985	5	8·874	3·076	41059	5	8·273	6·168
40729	15	3·690	19·819	40803	20	6·032	23·875	40912	6	16·219	0·126	40986*	24	9·430	3·900	41060	8	9·065	6·816
40730	15	5·340	19·745	40804	9	6·068	23·184	40913*	45	16·302	0·083	40987	5	9·664	3·956	41061	8	10·019	6·227
40731	10	6·663	19·884	40805*	22	6·650	23·958	40914	5	16·804	0·076	40988	5	10·014	3·704	41062	12	13·090	6·260
40732	8	7·304	19·075	40806	8	8·034	23·950	40915*	30	17·225	0·450	40989	6	11·875	3·121	41063*	47	15·894	6·273
40733	6	7·745	19·484	40807	8	10·927	23·382	40916	12	19·136	0·443	40990	5	12·405	3·817	41064	10	17·706	6·374
40734*	21	8·138	19·119	40808	8	11·355	23·204	40917	9	19·548	0·366	40991	8	12·792	3·497	41065	8	18·735	6·667
40735	15	9·197	19·544	40809	14	12·200	23·993	40918	5	20·630	0·214	40992	6	13·990	3·574	41066	6	20·309	6·503
40736	8	9·242	19·845	40810	7	12·628	23·526	40919	5	21·374	0·195	40993	8	15·058	3·212	41067	5	21·915	6·156
40737	8	11·641	19·090	40811	15	13·408	23·969	40920	5	22·422	0·160	40994	6	15·360	3·540	41068	8	23·075	6·258
40738	8	11·735	19·592	40812	7	14·519	23·926	40921	11	22·782	0·582	40995	10	15·738	3·865	41069	6	23·295	6·262
40739	6	13·407	19·215	40813	8	14·731	23·232	40922	12	23·625	0·095	40996	6	17·394	3·505	41070	5	23·425	6·595
40740	8	13·816	19·550	40814	9	15·107	23·237	40923	6	23·835	0·461	40997*	28	17·580	3·227	41071	5	23·705	6·105
40741	12	17·965	19·505	40815	9	15·126	23·815	40924	6	24·046	0·963	40998	8	18·377	3·506	41072	12	23·923	6·045
40742	11	18·634	19·084	40816	6	18·416	23·968	40925	9	24·594	0·920	40999	5	20·790	3·246	41073	5	24·612	6·916
40743	11	19·350	19·814	40817	9	20·914	23·985	40926	9	24·726	0·744	41000	11	24·400	3·147	41074	5	24·733	6·739
40744	6	20·046	19·075	40818	10	21·145	23·371	40927	5	25·370	0·136	41001	5	24·795	3·406	41075	7	24·754	6·238
40745	11	20·056	19·074	40819	9	21·204	23·344	40928	10	25·834	0·389	41002	10	3·419	4·011	41076	13	1·698	7·776
40746	8	20·845	19·981	40820	10	21·759	23·600	40929	6	1·447	1·570	41003	8	3·584	4·157	41077	6	2·387	7·548
40747	21	21·232	19·660	40821	12	22·486	23·255	40930	5	3·411	1·228	41004	7	6·566	4·636	41078	6	2·745	7·455
40748	8	22·191	19·725	40822*	26	22·940	23·725	40931	7	6·085	1·185	41005	6	7·073	4·896	41079*	25	4·707	7·506
40749	12	24·015	19·435	40823	13	24·497	23·103	40932	5	6·139	1·238	41006	5	7·306	4·699	41080	6	4·734	7·759
40750	10	24·285	19·341	40824	13	24·505	23·639	40933	5	6·349	1·595	41007	6	8·264	4·849	41081	6	5·260	7·372
40751	22	1·495	20·111	40825	10	9·846	24·511	40934	17	7·520	1·279	41008	20	9·533	4·643	41082	8	6·128	7·228
40752	21	7·030	20·736	40826	11	11·256	24·800	40935	5	7·735	1·589	41009	5	10·518	4·619	41083	9	8·820	7·446
40753	9	7·311	20·626	40827	7	14·950	24·928	40936	9	7·959	1·005	41010	14	13·376	4·666	41084*	70	10·425	7·482
40754	8	8·681	20·384	40828	10	16·425	24·782	40937	8	11·546	1·993	41011	7	13·705	4·549	41085	6	10·540	7·006
40755	12	8·724	20·536	40829	11	17·665	24·447	40938	5	11·666	1·336	41012	9	14·596	4·116	41086	6	10·671	7·672
40756	6	9·878	20·361	40830	13	17·857	24·660	40939	5	11·716	1·357	41013	5	14·978	4·956	41087	5	10·855	7·395
40757	8	10·690	20·758	40831	8	18·290	24·436	40940	15	11·750	1·596	41014	14	16·120	4·905	41088	6	10·949	7·622
40758	8	11·530	20·123	40832	10	18·875	24·090	40941	5	11·777	1·670	41015	9	17·056	4·736	41089	9	12·057	7·225
40759	7	13·620	20·172	40833	16	22·764	24·167	40942	8	12·336	1·374	41016	6	18·125	4·915	41090	5	12·779	7·854
40760	10	14·643	20·874	40834*	32	24·000	24·046	40943	6	12·884	1·569	41017	6	18·455	4·991	41091	6	13·597	7·858
40761	9	18·005	20·017	40835	13	8·182	25·809	40944	5	12·918	1·486	41018	11	19·574	4·522	41092	8	14·995	7·469
40762	14	19·990	20·645	40836	14	8·210	25·021	40945	5	13·634	1·299	41019	5	22·065	4·505	41093	5	16·425	7·456
40763	13	25·875	20·005	40837	10	11·892	25·019	40946	7	15·103	1·933	41020	9	22·442	4·486	41094	5	17·289	7·522
40764	16	3·838	21·772	40838	8	12·340	25·725	40947	7	15·170	1·865	41021	5	22·869	4·599	41095	5	17·563	7·736
40765	22	4·782	21·064	40839	23	13·300	25·704	40948	5	15·334	1·826	41022	18	23·566	4·117	41096	6	18·995	7·154
40766	16	6·065	21·618	40840	16	13·487	25·754	40949	6	17·096	1·085	41023	12	23·924	4·505	41097	7	19·338	7·806
40767	9	7·587	21·026	40841	8	15·365	25·853	40950	17	17·645	1·556	41024	13	24·911	4·325	41098	8	20·353	7·949
40768	15	8·344	21·824	40842	15	18·630	25·700	40951	5	18·290	1·161	41025	10	25·097	4·546	41099	5	20·780	7·724
40769	13	9·852	21·189	40843	22	24·170	25·181	40952	5	19·044	1·393	41026	5	25·829	4·914	41100	5	21·675	7·964
40770	9	10·415	21·955					40953	14	20·390	1·764	41027	7	0·165	5·797	41101	9	22·695	7·495
40771	8	10·706	21·460					40954	5	20·956	1·641	41028*	47	2·262	5·547	41102	5	23·363	7·056
40772	9	12·436	21·364					40955	6	23·582	1·225	41029	5	4·625	5·856	41103	5	23·747	7·706
40773	7	14·710	21·126					40956	7	25·857	1·118	41030	5	5·397	5·375	41104	8	0·065	8·798
40774*	23	18·609	21·675					40957	6	2·271	2·350	41031	5	5·415	5·894	41105	5	0·800	8·004
40775	6	18·622	21·381					40958	10	6·972	2·652	41032	9	6·404	5·015	41106	6	1·105	8·174
40776	6	19·536	21·459					40959	14	7·790	2·992	41033	5	7·106	5·400	41107	5	3·023	8·937
40777	7	19·870	21·951					40960	9	10·299	2·956	41034	11	7·365	5·196	41108	7	3·550	8·734
40778	8	20·638	21·824					40961	6	11·658	2·070	41035	5	7·914	5·148	41109	6	4·785	8·460
40779	10	25·465	21·725					40962	8	12·060	2·558	41036	6	10·695	5·418	41110	17	5·087	8·586
40780	25	1·333	22·904					40963	8	12·093	2·340	41037	5	10·885	5·061	41111	6	7·527	8·125
40781	23	2·080	22·665					40964	18	14·227	2·284	41038	14	11·186	5·282	41112	14	7·753	8·013
40782	27	2·684	22·446					40965	6	15·285	2·775	41039	5	13·480	5·171	41113	6	7·962	8·264
40783	29	3·288	22·457					40966	8	17·715	2·826	41040	14	17·686	5·455	41114	6	8·246	8·827
40784	15	4·031	22·091					40967	5	18·401	2·061	41041	10	18·665	5·144	41115	20	9·580	8·435
40785	15	5·721	22·337					40968	5	18·932	2·908	41042	6	20·866	5·419	41116	5	9·620	8·327
40786	10	7·542	22·871					40969	5	19·855	2·567	41043	6	21·270	5·501	41117	10	10·035	8·618
40787	14	9·485	22·185					40970	10	21·122	2·064	41044	10	22·225	5·789	41118	9	10·401	8·105
40788	7	11·231	22·340					40971	5	21·699	2·453	41045	6	23·061	5·679	41119	12	12·825	8·556
40789	8	12·265	22·732					40972*	28	21·780	2·125	41046	10	25·030	5·021	41120	8	13·950	8·722
40790	7	12·595	22·884					40973	8	22·316	2·654	41047	11	0·062	6·413	41121	5	18·575	8·336
40791	6	13·360	22·265					40974	5	22·851	2·656	41048	14	0·860	6·313	41122	6	22·285	8·755
40792	8	14·050	22·070	40901	5	2·385	0·721	40975	5	24·964	2·525	41049	6	0·997	6·166	41123	8	22·716	8·257
40793	8	14·796	22·597	40902	12	3·289	0·419	40976	20	25·286	2·863	41050	6	1·360	6·984	41124	7	24·665	8·933

R. A. 18h 4m

Plate 1598 ; 1900 Sept. 15.

Provisional Constants.

A	B	C
−·00020	+·00399	−·6140
D	E	F
−·00382	−·00039	−·0449

Mag. = $15{\cdot}9 - 1{\cdot}36\sqrt{d}$

41125	6	24·701	8·485	41199	6	2·278	12·053	41273	7	23·029	15·959	41347	10	23·437	18·180	41421*	22	16·681	21·549
41126	5	24·716	8·906	41200	7	3·834	12·888	41274	7	23·526	15·803	41348	10	23·779	18·766	41422	10	16·929	21·282
41127*	26	25·069	8·553	41201	5	5·540	12·899	41275	7	24·285	15·087	41349	24	25·863	18·686	41423	5	18·352	21·226
41128	6	25·644	8·736	41202	5	6·226	12·952	41276	5	24·824	15·375	41350	5	25·967	18·213	41424	7	19·266	21·344
41129	6	0·746	9·607	41203	10	6·717	12·275	41277	5	24·852	15·656	41351	10	0·606	19·704	41425	10	23·006	21·577
41130	7	1·654	9·439	41204	20	7·710	12·755	41278	12	24·864	15·712	41352	7	0·875	19·604	41426	10	23·620	21·182
41131	5	3·587	9·184	41205	22	9·851	12·062	41279	6	24·994	15·906	41353	12	3·485	19·444	41427	5	24·648	21·114
41132	8	4·017	9·427	41206	8	10·942	12·770	41280	12	25·289	15·224	41354	8	4·700	19·605	41428	8	25·383	21·945
41133	11	4·632	9·523	41207	5	12·055	12·271	41281	10	25·694	15·996	41355	5	5·390	19·536	41429	8	25·635	21·261
41134	5	6·256	9·265	41208*	56	13·515	12·700	41282	6	1·065	16·608	41356	5	5·975	19·585	41430	7	2·795	22·438
41135	5	7·372	9·340	41209	6	14·592	12·317	41283	5	1·423	16·356	41357	7	7·355	19·327	41431	5	5·621	22·574
41136	5	9·175	9·323	41210	12	14·838	12·846	41284	8	1·868	16·247	41358	6	10·172	19·324	41432	7	6·057	22·792
41137	12	10·598	9·925	41211*	37	15·825	12·935	41285	6	2·783	16·298	41359	16	11·695	19·245	41433	5	6·282	22·185
41138	6	12·603	9·118	41212	8	18·486	12·455	41286	6	3·580	16·085	41360	13	12·815	19·505	41434	8	7·655	22·724
41139	9	12·605	9·773	41213	7	19·259	12·148	41287	6	3·887	16·078	41361	6	12·823	19·246	41435	5	8·593	22·795
41140	7	14·342	9·368	41214	9	21·307	12·605	41288	11	3·945	16·697	41362	5	13·607	19·486	41436*	36	10·261	22·086
41141	5	16·177	9·465	41215	5	21·750	12·244	41289	11	4·085	16·123	41363	12	14·455	19·176	41437	7	11·128	22·418
41142	24	16·361	9·155	41216	5	21·829	12·476	41290	11	5·400	16·026	41364	12	15·318	19·586	41438	6	11·399	22·520
41143	5	18·142	9·037	41217	7	22·295	12·794	41291	20	7·335	16·215	41365	8	15·556	19·669	41439	5	11·405	22·676
41144	10	18·658	9·869	41218	10	24·333	12·501	41292	10	9·489	16·515	41366	10	16·505	19·574	41440	10	12·344	22·339
41145	6	21·120	9·445	41219	7	25·469	12·511	41293	20	13·797	16·615	41367	7	17·345	19·973	41441	13	12·965	22·056
41146	7	21·420	9·126	41220	8	25·676	12·061	41294	5	18·821	16·144	41368	8	18·354	19·173	41442	12	15·037	22·316
41147	5	21·724	9·264	41221	5	0·320	13·405	41295	5	20·134	16·552	41369	5	19·816	19·269	41443	10	15·557	22·761
41148	9	23·154	9·123	41222	6	0·473	13·620	41296	6	20·385	16·131	41370*	24	24·765	19·566	41444	6	16·986	22·85
41149	10	24·579	9·604	41223	13	1·409	13·324	41297	13	23·094	16·014	41371	13	24·767	19·534	41445	13	17·014	22·857
41150	16	25·352	9·981	41224	7	1·495	13·834	41298	6	25·161	16·093	41372	5	25·276	19·305	41446	5	17·745	22·61
41151	7	25·517	9·979	41225	6	1·522	13·033	41299	6	25·876	16·463	41373	16	25·366	19·438	41447	5	17·914	22·598
41152	8	1·116	10·405	41226	8	2·425	13·537	41300	11	0·944	17·845	41374	5	2·185	20·245	41448	8	18·715	22·67
41153	6	3·856	10·049	41227	6	3·183	13·291	41301	10	3·529	17·074	41375	8	2·475	20·235	41449	8	18·726	22·67
41154	6	4·506	10·395	41228	5	4·726	13·533	41302	6	4·115	17·753	41376	10	2·765	20·281	41450	6	18·986	22·93
41155	6	4·917	10·355	41229	5	4·904	13·235	41303	5	4·707	17·814	41377	7	2·965	20·026	41451	5	20·935	22·83
41156	17	5·025	10·553	41230	10	4·939	13·185	41304	11	9·610	17·025	41378	5	4·144	20·893	41452	6	20·135	22·29
41157	5	7·767	10·977	41231	7	5·436	13·413	41305	5	10·746	17·046	41379	6	5·431	20·946	41453	5	22·914	22·21
41158	8	10·711	10·715	41232	5	7·591	13·755	41306	5	11·133	17·189	41380	5	6·021	20·586	41454	6	24·856	22·886
41159	12	12·568	10·020	41233*	27	9·050	13·702	41307	8	12·223	17·470	41381	5	6·841	20·705	41455	16	25·366	22·357
41160	6	12·995	10·200	41234	19	10·605	13·515	41308	22	12·722	17·623	41382	10	6·980	20·333	41456	6	25·854	22·136
41161	17	15·816	10·965	41235	18	12·173	13·169	41309	6	13·834	17·269	41383	11	10·414	20·818	41457	7	1·159	23·36
41162*	44	18·216	10·756	41236	7	12·965	13·685	41310	8	16·447	17·277	41384	12	11·335	20·803	41458	5	1·177	23·898
41163	7	20·135	10·060	41237	10	15·686	13·108	41311	6	18·325	17·545	41385	17	11·459	20·375	41459	6	5·285	23·080
41164	8	20·186	10·184	41238	8	17·285	13·690	41312	6	18·508	17·011	41386	8	11·746	20·217	41460	7	5·940	23·574
41165	6	20·313	10·642	41239	6	18·235	13·480	41313	19	19·099	17·221	41387	10	13·504	20·313	41461	8	7·603	23·897
41166	6	20·484	10·118	41240	10	19·717	13·746	41314	5	19·383	17·416	41388	7	14·521	20·822	41462	5	7·615	23·09
41167	7	21·642	10·660	41241	14	19·927	13·544	41315	12	20·655	17·609	41389*	22	17·027	20·277	41463	6	7·654	23·80
41168	6	22·283	10·315	41242	12	24·076	13·878	41316	5	22·695	17·271	41390	6	17·376	20·574	41464	7	9·468	23·020
41169	5	22·500	10·496	41243	9	24·080	13·897	41317*	54	23·054	17·473	41391	6	18·024	20·533	41465	6	9·914	23·99
41170	6	23·739	10·030	41244	5	24·685	13·535	41318	9	23·954	17·404	41392	18	18·355	20·685	41466	13	10·694	23·990
41171	5	23·815	10·717	41245	9	25·170	13·273	41319	5	25·055	17·589	41393	8	18·428	20·026	41467	8	11·225	23·77
41172	5	24·085	10·884	41246	7	2·755	14·437	41320	8	0·943	18·075	41394	5	22·180	20·044	41468	5	13·284	23·03
41173	6	24·474	10·520	41247	10	3·676	14·978	41321	10	2·087	18·543	41395	5	22·641	20·505	41469	10	15·046	23·73
41174	10	25·224	10·688	41248	16	3·836	14·693	41322	6	2·303	18·976	41396	7	24·029	20·266	41470	6	17·398	23·039
41175	5	25·471	10·225	41249	5	4·274	14·045	41323*	23	3·345	18·674	41397	9	24·050	20·683	41471	6	17·586	23·880
41176	9	25·500	10·626	41250	6	5·428	14·498	41324*	23	3·734	18·605	41398	9	24·454	20·773	41472	5	18·135	23·807
41177	6	0·307	11·498	41251	5	8·271	14·845	41325	10	4·315	18·899	41399	5	24·640	20·885	41473	6	21·725	23·53
41178	10	1·085	11·712	41252	7	9·188	14·451	41326	5	5·312	18·468	41400	11	24·689	20·376	41474	14	22·579	23·08
41179	7	2·296	11·545	41253	6	10·505	14·209	41327	6	5·742	18·725	41401	8	24·813	20·766	41475	8	22·885	23·486
41180	7	2·360	11·504	41254	13	11·176	14·341	41328*	26	8·000	18·967	41402	5	25·815	20·905	41476	6	23·715	23·486
41181	5	2·685	11·786	41255	12	19·138	14·897	41329	22	9·294	18·494	41403	5	2·100	21·964	41477*	30	0·684	24·31
41182	17	2·872	11·655	41256	16	4·527	15·204	41330	5	10·607	18·923	41404	6	3·023	21·139	41478	7	3·385	24·756
41183	10	8·212	11·197	41257	14	5·275	15·907	41331	5	11·016	18·336	41405	17	4·245	21·166	41479	15	5·195	24·71
41184	7	9·835	11·896	41258	6	7·374	15·817	41332	6	12·350	18·575	41406	7	6·077	21·565	41480	5	5·235	24·29
41185*	32	10·175	11·747	41259	11	8·226	15·415	41333	23	13·039	18·242	41407	6	6·851	21·533	41481	12	6·926	24·47
41186	8	11·195	11·401	41260	10	8·652	15·094	41334*	36	13·182	18·817	41408*	20	7·833	21·438	41482	5	9·515	24·02
41187	6	13·437	11·187	41261	7	10·037	15·034	41335	6	13·935	18·797	41409	5	10·345	21·978	41483	6	10·970	24·198
41188	9	15·119	11·670	41262	7	14·552	15·076	41336*	39	14·553	18·213	41410	7	10·635	21·882	41484	10	11·935	24·868
41189	6	19·127	11·763	41263	9	16·348	15·641	41337	22	14·724	18·170	41411	7	12·305	21·445	41485	6	12·934	24·52
41190	14	21·614	11·152	41264	16	16·946	15·209	41338	9	15·304	18·873	41412*	19	12·489	21·648	41486	5	13·584	24·586
41191	5	22·145	11·153	41265	5	17·964	15·499	41339	7	15·316	18·047	41413	6	13·114	21·170	41487	5	13·701	24·24
41192	10	23·088	11·921	41266	9	18·136	15·945	41340	19	16·044	18·511	41414	5	13·150	21·584	41488	15	15·468	24·49
41193	7	23·727	11·656	41267	8	18·587	15·006	41341	11	17·329	18·954	41415*	20	13·199	21·309	41489	7	16·355	24·89
41194	6	23·842	11·994	41268*	33	20·641	15·643	41342	5	17·515	18·076	41416*	22	15·253	21·904	41490	9	18·686	24·17
41195	10	24·095	11·435	41269	5	21·105	15·461	41343	6	19·325	18·967	41417*	24	15·530	21·945	41491*	27	20·135	24·66
41196	9	25·669	11·753	41270	15	21·378	15·617	41344	5	19·759	18·968	41418*	22	15·770	21·036	41492	6	21·686	24·80
41197	5	1·366	12·094	41271	15	21·525	15·200	41345	5	20·964	18·159	41419	11	16·246	21·023	41493	14	23·589	24·14
41198	6	1·425	12·452	41272	10	22·438	15·604	41346	12	22·816	18·586	41420	5	16·450	21·295	41494	5	0·501	25·80

No.	d	x	y
41495	14	0·876	25·446
41496	19	2·716	25·007
41497	10	2·934	25·489
41498	7	3·090	25·305
41499	6	6·156	25·806
41500	20	7·100	25·709
41501	6	9·119	25·215
41502	5	9·347	25·596
41503	6	9·945	25·677
41504	6	10·455	25·280
41505	6	11·148	25·405
41506	10	12·243	25·359
41507	6	12·417	25·524
41508	12	12·949	25·392
41509	5	15·264	25·724
41510	5	15·564	25·966
41511	5	15·923	25·820
41512	7	16·055	25·947
41513	6	16·159	25·214
41514	7	17·145	25·727
41515	6	17·975	25·472
41516	13	18·920	25·557
41517	25	23·447	25·932
41518	12	23·907	25·832
41519	12	24·397	25·907
41520	7	24·485	25·824
41521	5	25·142	25·211

R.A. 18h 13m

Plate 1599; 1900 Sept. 15.

Provisional Constants.

A	B	C
−·00055	+·00771	−·7270
D	**E**	**F**
−·00763	−·00033	−·0884

Mag. = 16·5 − 1·36√*d*

No.	d	x	y
41601	11	0·116	0·152
41602	5	0·342	0·513
41603	8	1·105	0·955
41604	9	1·235	0·774
41605	11	2·334	0·395
41606	10	3·056	0·179
41607	5	4·717	0·302
41608	7	4·756	0·999
41609	10	5·964	0·804
41610	10	6·025	0·781
41611	5	7·377	0·285
41612	17	7·988	0·874
41613	9	8·325	0·735
41614	8	8·518	0·115
41615	17	8·771	0·297
41616	5	9·946	0·605
41617	6	10·135	0·823
41618	7	10·220	0·448
41619	6	12·263	0·575
41620	14	13·625	0·110
41621	5	15·415	0·926
41622	8	15·464	0·346
41623	14	15·553	0·569
41624	10	16·532	0·311

No.	d	x	y
41625	10	18·507	0·655
41626	5	18·626	0·014
41627	5	20·572	0·895
41628	10	20·767	0·426
41629	6	20·967	0·975
41630	13	21·676	0·118
41631	11	23·328	0·372
41632	10	24·827	0·615
41633	34	25·646	0·755
41634	7	2·376	1·124
41635	11	3·764	1·554
41636*	26	4·231	1·587
41637	6	4·645	1·695
41638	12	8·314	1·335
41639	12	8·896	1·234
41640	5	10·643	1·467
41641	7	11·707	1·836
41642	12	11·808	1·657
41643	7	12·116	1·415
41644*	17	14·384	1·502
41645	5	15·904	1·258
41646	13	17·902	1·894
41647	6	19·219	1·609
41648	5	23·283	1·266
41649*	24	1·846	2·879
41650*	22	5·422	2·421
41651	8	6·107	2·864
41652*	18	9·136	2·309
41653	6	10·280	2·884
41654	7	10·486	2·535
41655	6	10·694	2·366
41656*	31	11·560	2·632
41657	10	13·519	2·614
41658	11	13·725	2·746
41659	8	13·960	2·205
41660	7	14·528	2·556
41661	8	14·854	2·296
41662	5	16·655	2·283
41663	8	18·405	2·245
41664	8	18·699	2·169
41665	11	19·175	2·236
41666	7	19·385	2·104
41667	7	23·821	2·595
41668	7	25·986	2·765
41669	12	0·965	3·187
41670	6	2·628	3·860
41671	9	2·983	3·788
41672	5	3·055	3·126
41673	5	4·814	3·143
41674	12	5·500	3·524
41675	12	6·447	3·028
41676	9	7·092	3·307
41677	14	10·570	3·125
41678	8	15·284	3·135
41679	8	15·956	3·315
41680	14	17·556	3·175
41681	8	17·590	3·913
41682	8	18·365	3·463
41683	6	18·515	3·073
41684	6	19·318	3·121
41685	6	19·940	3·955
41686	6	20·644	3·447
41687	7	21·995	3·336
41688	7	23·067	3·366
41689	19	23·590	3·084
41690	5	25·846	3·335
41691	18	0·155	4·175
41692	11	0·523	4·555
41693	14	1·504	4·355
41694	10	1·696	4·567
41695	5	2·436	4·916
41696	5	5·055	4·802
41697	9	5·834	4·630
41698	8	7·195	4·456

No.	d	x	y
41699	6	8·225	4·461
41700	7	10·855	4·144
41701	12	13·284	4·558
41702	5	13·314	4·909
41703	12	14·005	4·055
41704	6	14·635	4·564
41705	5	14·942	4·231
41706	8	19·491	4·034
41707	8	20·036	4·043
41708	8	20·442	4·437
41709	7	20·645	4·534
41710	8	21·218	4·178
41711	7	22·356	4·254
41712	9	22·988	4·506
41713	5	23·085	4·440
41714	6	23·735	4·883
41715	6	24·091	4·203
41716	10	1·639	5·044
41717	23	4·108	5·367
41718	6	4·521	5·315
41719	6	4·752	5·987
41720	15	5·626	5·709
41721	6	6·011	5·875
41722	10	6·079	5·585
41723	14	7·340	5·747
41724*	47	9·895	5·222
41725	9	10·735	5·502
41726	9	11·890	5·715
41727	5	11·934	5·617
41728	18	13·635	5·460
41729	17	15·265	5·255
41730	14	15·632	5·475
41731	10	16·456	5·536
41732	7	17·184	5·508
41733	7	17·717	5·014
41734	8	18·549	5·345
41735	7	18·845	5·957
41736	8	19·354	5·164
41737	6	19·934	5·602
41738	9	21·214	5·337
41739	7	21·312	5·687
41740	6	22·119	5·075
41741	9	23·582	5·364
41742	9	23·985	5·362
41743	6	24·975	5·047
41744	12	0·555	6·095
41745	6	1·388	6·265
41746	6	4·106	6·886
41747	5	5·065	6·870
41748	7	7·484	6·644
41749	8	8·887	6·662
41750	5	9·577	6·727
41751	9	9·773	6·587
41752	12	10·006	6·216
41753*	30	11·539	6·315
41754	7	13·355	6·725
41755	5	14·066	6·465
41756	7	14·323	6·192
41757	16	16·487	6·624
41758	20	18·592	6·631
41759	10	19·323	6·894
41760	10	20·174	6·475
41761	18	20·520	6·106
41762	10	20·820	6·510
41763	5	21·464	6·980
41764	10	22·145	6·237
41765	10	22·787	6·006
41766	7	24·241	6·816
41767	9	24·514	6·197
41768	9	3·160	7·921
41769	8	4·037	7·777
41770	20	9·400	7·413
41771	9	9·542	7·197
41772	6	12·955	7·007

No.	d	x	y
41773	5	13·925	7·601
41774	25	14·715	7·769
41775*	30	17·095	7·347
41776	24	17·270	7·496
41777	10	22·328	7·816
41778	18	22·650	7·774
41779	9	24·783	7·447
41780	7	1·367	8·964
41781	6	1·393	8·515
41782*	31	1·765	8·574
41783	7	2·340	8·745
41784	18	4·164	8·960
41785	5	7·816	8·683
41786	4	7·934	8·965
41787	7	8·435	8·436
41788	18	9·289	8·753
41789*	30	10·430	8·974
41790	17	13·853	8·971
41791	23	13·872	8·785
41792	8	17·723	8·006
41793	10	20·944	8·967
41794	6	21·891	8·865
41795	12	22·260	8·494
41796	12	23·385	8·967
41797	8	24·264	8·655
41798	12	24·714	8·138
41799	7	25·249	8·423
41800	11	1·296	9·635
41801	17	2·078	9·995
41802	6	2·245	9·989
41803	10	4·165	9·799
41804	5	5·395	9·874
41805*	19	6·198	9·734
41806	7	7·083	9·358
41807	10	8·625	9·964
41808	9	8·710	9·916
41809	10	9·936	9·866
41810	5	11·504	9·262
41811	7	12·279	9·595
41812	12	15·480	9·626
41813	14	16·065	9·915
41814	13	18·644	9·197
41815	9	20·415	9·555
41816	9	21·352	9·591
41817	5	25·580	9·868
41818	5	0·467	10·085
41819	5	1·216	10·556
41820	10	1·966	10·705
41821	10	2·244	10·636
41822*	27	3·182	10·376
41823	18	6·745	10·216
41824*	20	7·385	10·521
41825*	27	7·986	10·425
41826	12	8·506	10·005
41827	5	9·532	10·630
41828	5	10·194	10·681
41829	15	11·649	10·847
41830	12	13·836	10·094
41831	13	21·153	10·821
41832	14	21·812	10·503
41833	14	22·514	10·964
41834	6	24·261	10·286
41835	8	24·459	10·047
41836*	26	25·095	10·525
41837	5	25·471	10·676
41838	7	0·498	11·708
41839	10	0·859	11·480
41840	10	2·440	11·758
41841	10	3·329	11·375
41842	12	3·946	11·549
41843	7	4·356	11·105
41844	5	5·048	11·645
41845	13	6·145	11·495
41846	17	6·314	11·555

No.	d	x	y
41847	19	6·667	11·723
41848	16	7·366	11·034
41849	8	7·546	11·992
41850	9	9·908	11·787
41851	7	10·046	11·276
41852	14	10·847	11·814
41853	9	13·615	11·203
41854	12	14·463	11·529
41855*	33	18·107	11·391
41856	10	19·465	11·919
41857	5	22·824	11·210
41858	10	23·543	11·068
41859	6	0·617	12·044
41860	10	1·121	12·536
41861	7	2·257	12·521
41862	10	2·454	12·066
41863	10	6·017	12·964
41864	6	7·549	12·248
41865*	18	8·635	12·476
41866	16	8·715	12·645
41867	12	8·899	12·403
41868	12	11·079	12·833
41869	19	11·402	12·175
41870	10	11·700	12·690
41871	22	12·525	12·283
41872	27	14·306	12·675
41873	6	14·414	12·738
41874	12	15·487	12·045
41875	12	16·056	12·404
41876	8	16·966	12·718
41877	24	17·590	12·431
41878	5	18·430	12·129
41879*	27	18·667	12·606
41880	15	19·759	12·346
41881	8	19·987	12·915
41882	6	20·426	12·971
41883	30	21·761	12·666
41884	10	24·932	12·846
41885	16	25·410	12·275
41886	11	25·441	12·219
41887	12	0·895	13·923
41888	9	0·904	13·943
41889	9	1·975	13·290
41890	7	3·427	13·868
41891	8	3·436	13·269
41892	13	5·633	13·046
41893	9	8·665	13·114
41894	5	11·361	13·805
41895	7	15·226	13·405
41896	10	18·125	13·902
41897	10	19·401	13·701
41898*	44	20·170	13·989
41899	6	20·336	13·867
41900	7	20·463	13·828
41901	14	20·928	13·732
41902*	44	22·105	13·040
41903	15	22·947	13·145
41904	5	24·536	13·220
41905	9	5·754	14·647
41906	5	6·535	14·063
41907	7	8·036	14·510
41908	9	8·335	14·153
41909	12	9·916	14·935
41910	29	13·015	14·672
41911	8	13·435	14·132
41912*	31	16·884	14·470
41913	17	17·440	14·342
41914	13	18·785	14·410
41915	6	19·156	14·536
41916	6	19·786	14·926
41917	8	20·410	14·566
41918	10	20·699	14·822
41919	5	21·090	14·792
41920	12	22·035	14·950

41921	13	23·881	14·805	41995	10	14·985	17·215	42069	10	3·889	21·695	42143	5	15·583	24·277	42217	5	23·612	0·28
41922	5	25·966	14·347	41996	8	15·404	17·535	42070*	27	4·916	21·618	42144	8	16·674	24·742	42218	11	3·596	1·28
41923	9	0·394	15·856	41997	19	15·655	17·937	42071	8	5·057	21·287	42145*	28	16·863	24·503	42219*	23	3·874	1·54
41924	8	1·135	15·126	41998	5	16·434	17·106	42072	15	6·622	21·549	42146	16	17·817	24·096	42220*	27	5·015	1·82
41925	5	1·677	15·397	41999	5	19·141	17·556	42073	20	6·697	21·589	42147	7	17·847	24·985	42221	12	5·082	1·12
41926	13	1·726	15·735	42000	7	19·155	17·954	42074	7	7·705	21·250	42148	11	19·262	24·238	42222	12	6·418	1·38
41927	7	1·863	15·927	42001	10	20·165	17·772	42075	14	8·587	21·675	42149	9	19·395	24·460	42223	7	8·545	1·96
41928	14	2·144	15·235	42002	8	20·305	17·455	42076	20	8·758	21·240	42150	7	19·454	24·156	42224	7	11·466	1·00
41929	13	2·564	15·999	42003	5	20·982	17·165	42077	14	8·846	21·938	42151	26	19·777	24·682	42225*	21	12·152	1·16
41930	7	3·544	15·813	42004	5	21·571	17·761	42078	7	10·375	21·373	42152	5	21·039	24·032	42226	5	12·227	1·63
41931	5	4·737	15·775	42005	10	24·714	17·496	42079	8	10·795	21·140	42153	6	22·310	24·181	42227	16	12·899	1·80
41932	14	5·026	15·546	42006	10	0·361	18·236	42080	10	11·917	21·655	42154	14	22·935	24·537	42228	6	12·933	1·96
41933	5	5·774	15·650	42007	10	0·715	18·815	42081	6	13·430	21·874	42155	8	22·996	24·216	42229	6	13·128	1·51
41934	6	6·863	15·756	42008*	28	2·795	18·686	42082	7	14·165	21·563	42156	24	0·555	25·985	42230	13	14·955	1·64
41935	8	7·174	15·837	42009	7	3·075	18·313	42083	5	14·684	21·188	42157	10	1·012	25·876	42231	8	15·235	1·87
41936	19	8·274	15·966	42010	10	5·166	18·948	42084	9	16·530	21·815	42158	11	1·502	25·941	42232	9	15·946	1·59
41937	6	8·505	15·497	42011*	45	5·567	18·990	42085	12	22·011	21·308	42159	5	1·587	25·855	42233	11	16·377	1·94
41938	5	10·680	15·406	42012*	26	6·866	18·286	42086	19	25·225	21·375	42160	6	4·394	25·568	42234	8	17·872	1·55
41939	12	11·870	15·603	42013	8	7·816	18·703	42087	5	1·894	22·910	42161	7	5·603	25·295	42235	6	21·196	1·53
41940	5	12·995	15·300	42014	7	9·191	18·907	42088	19	2·386	22·367	42162	5	6·906	25·104	42236	13	22·256	1·64
41941	8	14·656	15·956	42015	9	10·289	18·445	42089	6	2·866	22·135	42163	6	8·900	25·700	42237	14	23·439	1·63
41942	10	16·346	15·585	42016	8	10·694	18·923	42090	8	3·632	22·812	42164	11	11·907	25·137	42238	8	25·184	1·37
41943	13	17·597	15·397	42017	6	12·962	18·555	42091	9	4·964	22·887	42165	8	13·084	25·815	42239	5	2·735	2·97
41944	7	17·951	15·548	42018	8	13·205	18·855	42092	7	6·135	22·149	42166	6	14·841	25·963	42240*	22	4·485	2·49
41945	20	19·716	15·124	42019	5	14·362	18·769	42093	10	9·406	22·316	42167	16	15·268	25·814	42241	10	5·195	2·64
41946	16	21·610	15·210	42020	7	17·446	18·828	42094	8	9·902	22·097	42168	12	15·973	25·546	42242	20	5·975	2·49
41947	8	21·970	15·434	42021	14	18·799	18·511	42095	7	11·724	22·045	42169	10	17·236	25·614	42243	6	6·530	2·11
41948	6	22·400	15·834	42022	5	20·873	18·896	42096	9	12·149	22·888	42170	29	19·117	25·736	42244	12	10·165	2·58
41949	5	22·715	15·085	42023	12	21·365	18·680	42097	19	13·936	22·471	42171	7	19·180	25·931	42245	16	12·608	2·12
41950	12	23·277	15·505	42024*	26	22·431	18·985	42098	16	14·208	22·427	42172	10	19·795	25·165	42246	8	14·835	2·09
41951*	27	23·754	15·467	42025	5	24·133	18·405	42099	16	15·595	22·673	42173	5	21·155	25·386	42247	6	15·323	2·55
41952	21	23·775	15·693	42026	5	24·445	18·733	42100	7	15·616	22·066	42174	10	22·456	25·306	42248	6	15·794	2·69
41953	6	23·853	15·138	42027	7	24·670	18·758	42101	10	16·134	22·825	42175	10	23·408	25·214	42249	5	16·155	2·24
41954	7	24·026	15·074	42028*	26	1·717	19·593	42102	6	18·504	22·024	42176	8	23·581	25·834	42250	6	16·802	2·64
41955	5	24·075	15·578	42029	13	1·722	19·558	42103	12	19·626	22·646	42177	7	24·246	25·077	42251	6	18·625	2·46
41956	8	24·793	15·573	42030	18	2·318	19·450	42104	9	20·076	22·367	42178	6	25·335	25·585	42252*	24	19·345	2·29
41957	7	24·896	15·770	42031	12	3·680	19·735	42105	6	20·480	22·124					42253	16	20·365	2·26
41958	7	2·034	16·106	42032	5	5·055	19·442	42106	6	21·450	22·776					42254	6	22·506	2·58
41959	6	2·758	16·460	42033	9	6·008	19·516	42107	10	21·490	22·759					42255	18	22·570	2·66
41960	8	4·835	16·644	42034*	30	7·050	19·513	42108	5	22·255	22·736					42256	6	23·814	2·04
41961	10	7·254	16·304	42235	20	7·287	19·668	42109	16	22·446	22·105					42257	12	24·047	2·03
41962	6	7·609	16·065	42036	11	9·388	19·214	42110	8	23·296	22·808					42258	7	25·239	2·78
41963	7	7·715	16·690	42037	9	9·716	19·803	42111	10	23·314	22·567					42259	15	0·350	3·32
41964	5	8·524	16·520	42038*	30	13·475	19·246	42112	16	23·735	22·072					42260	9	2·814	3·34
41965	7	9·701	16·250	42039	6	15·946	19·889	42113	16	23·745	22·078					42261	8	2·854	3·72
41966	7	11·852	16·885	42040	8	17·922	19·297	42114	19	25·355	22·738					42262	5	3·495	3·99
41967	10	12·169	16·750	42041	12	21·465	19·373	42115	7	3·146	23·055					42263	7	4·406	3·39
41968	12	12·240	16·663	42042	11	22·641	19·861	42116	7	3·786	23·795					42264	17	4·899	3·31
41969	7	12·493	16·754	42043	12	23·685	19·204	42117	10	5·905	23·062					42265*	38	7·529	3·76
41970	5	15·519	16·646	42044	6	24·095	19·936	42118	16	6·267	23·493					42266	22	8·513	3·71
41971	8	16·826	16·566	42045	6	1·001	20·311	42119	9	6·731	23·295					42267	10	8·758	3·05
41972	7	21·277	16·724	42046	9	1·033	20·724	42120	13	7·261	23·911					42268	12	9·085	3·53
41973	9	22·560	16·649	42047	10	1·436	20·805	42121	5	8·971	23·425					42269	8	9·714	3·50
41974	7	22·635	16·145	42048	12	1·665	20·405	42122	8	10·165	23·675					42270	16	10·658	3·45
41975	19	22·674	16·580	42049	7	1·796	20·789	42123	5	11·891	23·975					42271	5	11·334	3·85
41976*	24	24·196	16·501	42050	8	3·465	20·667	42124	8	13·067	23·733					42272	11	15·055	3·21
41977	5	25·167	16·752	42051	18	4·142	20·396	42125	8	13·347	23·164					42273	12	17·625	3·40
41978	7	25·315	16·646	42052	6	8·564	20·277	42126	8	14·753	23·979	No.	d	x	y	42274	13	19·259	3·70
41979	8	25·545	16·937	42053	5	9·466	20·107	42127	9	15·686	23·665	42201	9	0·044	0·617	42275	5	20·741	3·79
41980	9	0·856	17·447	42054	9	9·851	20·895	42128	6	17·581	23·474	42202	8	1·546	0·884	42276	6	20·886	3·40
41981	12	3·004	17·135	42055	24	9·903	20·007	42129	9	20·616	23·897	42203*	36	2·365	0·969	42277	14	24·014	3·65
41982	8	3·014	17·744	42056	7	16·175	20·737	42130	8	20·824	23·367	42204	8	4·195	0·935	42278	6	25·804	3·77
41983	7	4·228	17·304	42057	12	18·083	20·323	42131	16	20·980	23·789	42205	6	7·070	0·115	42279	5	25·914	3·89
41984	12	4·794	17·020	42058	8	21·472	20·482	42132	8	22·104	23·814	42206	5	7·404	0·619	42280	12	3·014	4·18
41985	19	5·887	17·743	42059	8	21·535	20·315	42133	5	24·024	23·688	42207	6	9·061	0·679	42281	6	3·463	4·14
41986	6	6·475	17·766	42060	11	23·212	20·595	42134	23	24·879	23·617	42208	5	13·456	0·565	42282	10	3·595	4·94
41987	12	6·904	17·346	42061	9	23·877	20·624	42135	7	25·395	23·887	42209*	29	14·440	0·166	42283	8	5·945	4·84
41988	7	7·177	17·576	42062	7	23·975	20·292	42136	13	0·654	24·204	42210	8	14·676	0·335	42284	16	6·502	4·00
41989	20	7·352	17·712	42063	9	24·224	20·471	42137	29	6·774	24·233	42211	6	14·955	0·371	42285	10	7·517	4·13
41990	5	7·406	17·342	42064	18	25·647	20·496	42138	7	9·564	24·826	42212	7	16·118	0·285	42286	20	7·616	4·62
41991	17	8·847	17·377	42065	10	0·013	21·644	42139	10	10·044	24·313	42213	10	17·646	0·814	42287	5	7·755	4·57
41992	24	9·107	17·360	42066	10	0·615	21·235	42140	5	10·254	24·444	42214	6	17·690	0·529	42288	15	7·886	4·91
41993	6	11·328	17·149	42067	7	2·395	21·956	42141	9	14·925	24·979	42215*	40	18·905	0·479	42289	13	8·201	4·06
41994*	26	11·474	17·785	42068	9	2·629	21·265	42142*	20	15·387	24·734	42216	5	21·686	0·014	42290	5	8·385	4·20

R. A. 18h 22m

Plate 1600 ; 1900 Sept. 15.

Provisional Constants.

A	B	C
−·00046	+·00326	−·6223
D	E	F
−·00316	−·00056	−·0269

Mag. = $16{\cdot}1 - 1{\cdot}36\sqrt{d}$

42291	18	10·294	4·394	42365	10	22·905	7·570	42439	10	2·345	12·435	42513	8	23·422	15·977	42587	7	24·485	19·650
42292	5	11·237	4·622	42366	10	23·594	7·781	42440	6	5·026	12·653	42514	7	24·226	15·726	42588*	29	24·115	19·292
42293	16	11·469	4·015	42367	5	24·520	7·169	42441	12	5·164	12·526	42515	30	25·707	15·065	42589	6	25·764	19·120
42294	10	11·584	4·705	42368	5	24·880	7·757	42442	7	5·655	12·165	42516*	19	1·169	16·735	42590	10	0·246	20·844
42295	13	14·625	4·114	42369	6	1·111	8·890	42443	5	6·129	12·713	42517	6	2·290	16·864	42591	7	0·916	20·864
42296	10	16·044	4·629	42370	10	1·554	8·365	42444	6	8·933	12·355	42518	5	3·178	16·783	42592	5	1·123	20·174
42297	7	16·525	4·657	42371	5	2·094	8·645	42445*	36	11·806	12·771	42519	6	3·447	16·978	42593	8	1·255	20·705
42298	10	17·881	4·254	42372	14	3·066	8·407	42446	20	11·913	12·013	42520	12	3·581	16·946	42594	16	2·681	20·707
42299	5	18·291	4·225	42373	11	5·446	8·267	42447*	30	12·435	12·086	42521	10	4·219	16·371	42595	8	4·145	20·374
42300	8	18·485	4·396	42374	5	7·102	8·638	42448	6	14·676	12·244	42522	5	6·904	16·145	42596	9	7·135	20·315
42301	6	18·893	4·191	42375	6	11·823	8·454	42449	5	20·226	12·695	42523*	37	7·705	16·598	42597	6	9·788	20·247
42302	11	19·924	4·727	42376	7	14·254	8·996	42450	28	23·075	12·716	42524	7	8·270	16·643	42598	8	9·875	20·876
42303	6	21·245	4·810	42377	22	14·544	8·919	42451	6	24·516	12·717	42525	6	12·192	16·006	42599	12	10·065	20·296
42304	15	22·704	4·194	42378	5	18·754	8·876	42452	6	25·027	12·710	42526*	34	12·704	16·352	42600	6	10·114	20·945
42305	5	22·855	4·331	42379	6	22·415	8·055	42453	11	25·343	12·001	42527	6	14·386	16·624	42601	5	10·126	20·143
42306	5	25·047	4·211	42380	5	23·070	8·609	42454	18	25·768	12·922	42528	7	16·015	16·691	42602	7	10·359	20·855
42307	5	25·105	4·817	42381	10	0·236	9·216	42455	6	25·933	12·041	42529	5	19·466	16·524	42603	11	12·359	20·286
42308	8	0·376	5·606	42382	5	4·039	9·454	42456	9	1·845	13·070	42530	8	19·784	16·374	42604	5	12·400	20·681
42309	7	0·782	5·601	42383	9	5·646	9·534	42457	21	4·135	13·465	42531	11	19·907	16·646	42605	5	12·733	20·847
42310	22	3·075	5·125	42384	6	6·975	9·651	42458	10	7·551	13·142	42532	12	24·234	16·755	42606*	24	14·872	20·201
42311	19	3·345	5·056	42385	12	7·195	9·391	42459	8	11·500	13·196	42533	6	25·856	16·753	42607	10	14·906	20·993
42312	6	5·195	5·675	42386	7	9·168	9·063	42460	8	13·173	13·443	42534	9	1·701	17·725	42608	6	17·316	20·236
42313*	31	7·564	5·616	42387*	39	9·326	9·905	42461	5	14·209	13·805	42535	6	2·525	17·149	42609*	28	18·629	20·373
42314	6	7·835	5·964	42388	24	9·675	9·983	42462	8	16·768	13·490	42536	8	3·670	17·015	42610	8	19·088	20·575
42315	6	8·525	5·444	42389	6	12·475	9·770	42463	17	17·657	13·994	42537	7	5·831	17·195	42611	9	21·369	20·402
42316	26	9·333	5·433	42390	10	12·585	9·816	42464	9	19·384	13·878	42538	7	6·145	17·686	42612	6	21·543	20·220
42317	5	10·984	5·151	42391	13	13·265	9·875	42465	22	20·449	13·554	42539	12	6·515	17·611	42613	10	23·895	20·475
42318	7	12·836	5·177	42392	5	13·448	9·335	42466	20	20·914	13·860	42540	9	7·172	17·623	42614	6	24·734	20·855
42319*	17	16·725	5·122	42393	12	15·007	9·127	42467	12	21·662	13·124	42541	22	8·386	17·925	42615	8	25·315	20·298
42320	7	16·866	5·363	42394	5	16·626	9·605	42468	10	22·865	13·665	42542	6	9·503	17·819	42616	16	2·275	21·593
42321	8	19·605	5·761	42395	5	19·596	9·892	42469	10	23·904	13·276	42543	6	9·929	17·998	42617	6	3·346	21·363
42322	18	20·606	5·844	42396	6	21·675	9·073	42470	6	24·746	13·937	42544	5	11·044	17·284	42618	10	3·366	21·573
42323	8	21·307	5·589	42397	5	22·186	9·758	42471	9	3·125	14·917	42545	6	12·007	17·976	42619	6	8·105	21·116
42324	7	22·515	5·543	42398	5	22·614	9·294	42472	10	6·215	14·916	42546	6	12·715	17·204	42620	7	9·588	21·703
42325	7	23·322	5·939	42399	10	23·255	9·173	42473	20	6·518	14·657	42547	8	12·966	17·706	42621	8	9·685	21·776
42326	8	23·786	5·773	42400	10	23·439	9·817	42474	6	7·238	14·424	42548	10	19·629	17·636	42622	5	9·726	21·564
42327	6	24·484	5·737	42401	5	23·977	9·499	42475	5	7·632	14·695	42549	12	21·385	17·975	42623	5	9·941	21·368
42328	8	1·323	6·431	42402	10	25·269	9·685	42476	14	7·725	14·405	42550	9	21·611	17·063	42624	9	10·321	21·808
42329	7	2·925	6·205	42403	6	1·328	10·282	42477*	28	10·622	14·251	42551	8	21·697	17·463	42625	13	11·905	21·545
42330	6	9·008	6·176	42404*	28	1·973	10·746	42478	5	12·340	14·055	42552	6	23·179	17·224	42626	5	11·940	21·138
42331	9	10·895	6·851	42405	6	3·265	10·365	42479	9	12·999	14·604	42553	6	24·773	17·833	42627	6	14·639	21·585
42332	5	11·712	6·116	42406	9	4·990	10·425	42480*	36	17·591	14·551	42554	5	1·677	18·986	42628	5	15·360	21·917
42333	6	12·622	6·824	42407	10	6·354	10·398	42481	7	18·835	14·656	42555	12	4·030	18·445	42629	10	15·700	21·710
42334	5	14·885	6·288	42408	5	8·116	10·583	42482	5	20·086	14·413	42556	6	5·265	18·815	42630	10	16·104	21·285
42335	6	15·366	6·158	42409	6	12·098	10·156	42483	11	20·620	14·001	42557	5	5·366	18·285	42631	8	16·138	21·035
42336	6	15·457	6·551	42410	20	14·806	10·538	42484	6	21·846	14·827	42558	8	5·441	18·160	42632	8	17·712	21·282
42337	9	16·065	6·647	42411	10	16·945	10·363	42485	10	21·995	14·937	42559	9	6·355	18·654	42633	7	17·966	21·875
42338	6	19·262	6·970	42412	10	19·124	10·533	42486*	23	22·844	14·474	42560	9	7·501	18·856	42634	10	19·745	21·045
42339	7	19·915	6·396	42413	5	21·104	10·938	42487	8	23·017	14·837	42561	5	7·824	18·423	42635	10	19·817	21·878
42340	5	20·235	6·215	42414	5	22·242	10·754	42488	9	25·008	14·639	42562	5	8·165	18·855	42636	12	22·505	21·311
42341	5	20·376	6·544	42415	6	22·826	10·294	42489	8	0·235	15·755	42563	7	12·517	18·800	42637	10	22·900	21·698
42342	5	20·671	6·039	42416	5	24·254	10·520	42490*	24	0·706	15·706	42564	8	22·350	18·285	42638	5	24·785	21·515
42343	5	20·793	6·648	42417	18	25·061	10·827	42491	18	0·735	15·934	42565	8	24·084	18·546	42639	10	25·142	21·587
42344	5	21·094	6·854	42418	24	25·708	10·115	42492	5	0·798	15·380	42566	6	24·446	18·515	42640	6	25·995	21·497
42345	5	21·583	6·835	42419	6	25·850	10·623	42493	12	0·825	15·045	42567	10	0·700	19·445	42641	8	0·379	22·816
42346	10	21·674	6·306	42420	9	0·427	11·315	42494	5	0·979	15·309	42568	5	2·669	19·567	42642	21	0·801	22·315
42347	14	21·889	6·180	42421	6	4·985	11·984	42495	6	1·855	15·996	42569	8	3·340	19·886	42643	17	2·424	22·955
42348	5	23·131	6·646	42422	9	7·594	11·524	42496	12	3·505	15·436	42570	5	4·595	19·195	42644	8	4·873	22·534
42349	11	23·449	6·832	42423	6	9·444	11·574	42497	5	3·875	15·335	42571	8	5·570	19·392	42645	5	5·701	22·544
42350	6	25·777	6·241	42424*	50	15·139	11·805	42498	5	7·727	15·629	42572	10	7·935	19·870	42646	8	6·775	22·024
42351	5	1·056	7·054	42425	5	15·371	11·169	42499*	30	8·590	15·488	42573	9	8·285	19·526	42647	5	6·824	22·594
42352	6	1·612	7·675	42426	6	16·804	11·846	42500	5	8·826	15·588	42574	16	10·855	19·871	42648	8	7·954	22·465
42353	10	4·055	7·416	42427	7	17·147	11·675	42501	8	10·138	15·172	42575	12	12·064	19·132	42649	5	9·100	22·742
42354	7	5·239	7·573	42428	5	17·298	11·856	42502	5	11·580	15·602	42576*	35	13·805	19·435	42650	5	10·112	22·945
42355	9	6·853	7·375	42429	16	18·676	11·565	42503	8	17·945	15·155	42577	5	14·963	19·647	42651	8	11·969	22·416
42356*	29	7·963	7·125	42430	18	18·995	11·644	42504	8	18·142	15·273	42578	10	15·684	19·475	42652	10	12·896	22·374
42357	5	8·623	7·109	42431	18	21·514	11·833	42505	11	18·425	15·085	42579	10	16·407	19·494	42653*	24	13·556	22·405
42358	9	8·884	7·231	42432	5	21·937	11·059	42506	8	20·097	15·464	42580	6	16·688	19·934	42654	10	14·095	22·222
42359	8	9·269	7·015	42433	8	22·946	11·376	42507	5	21·093	15·957	42581	9	17·028	19·058	42655	8	14·168	22·850
42360	10	9·705	7·705	42434	12	23·566	11·943	42508	8	21·664	15·503	42582	9	17·716	19·310	42656	5	14·518	22·847
42361	10	12·077	7·405	42435	6	23·725	11·987	42509	7	22·460	15·725	42583	15	17·803	19·259	42657	6	15·864	22·335
42362	8	19·195	7·353	42436	6	24·432	11·276	42510	6	22·522	15·079	42584*	17	18·554	19·589	42658	10	16·346	22·652
42363	12	19·969	7·668	42437	5	24·589	11·543	42511	5	22·926	15·695	42585	5	21·775	19·226	42659	6	18·205	22·976
42364	10	21·134	7·235	42438	15	2·314	12·491	42512	6	23·325	15·491	42586	8	21·976	19·871	42660	10	19·650	22·959

42661	8	20·088	22·642
42662	9	20·346	22·747
42663	9	21·995	22·305
42664	11	22·375	22·964
42665	6	22·567	22·571
42666*	34	22·656	22·338
42667	6	0·367	23·056
42668	22	1·962	23·841
42669	18	6·330	23·795
42670	6	8·031	23·715
42671	10	8·316	23·085
42672	18	8·629	23·796
42673	13	8·804	23·406
42674	7	9·116	23·470
42675	6	11·493	23·026
42676*	30	12·520	23·205
42677	8	13·715	23·306
42678	6	13·725	23·763
42679	10	14·574	23·226
42680	13	16·406	23·774
42681	11	17·615	23·055
42682	10	19·886	23·444
42683	10	20·074	23·067
42684	13	23·478	23·395
42685	6	24·645	23·054
42686	5	25·065	23·857
42687	6	25·935	23·675
42688	12	25·995	23·886
42689	11	0·033	24·794
42690	6	0·088	24·474
42691	6	2·477	24·105
42692	14	4·737	24·674
42693	10	4·832	24·644
42694	12	6·356	24·345
42695	17	6·669	24·728
42696	12	7·903	24·271
42697	7	8·024	24·816
42698	12	8·026	24·066
42699	8	8·310	24·153
42700	10	9·149	24·578
42701	8	12·227	24·325
42702	8	13·085	24·216
42703	8	13·237	24·904
42704	8	14·905	24·984
42705*	36	16·112	24·103
42706	7	16·309	24·924
42707	8	17·385	24·746
42708	9	18·155	24·526
42709	9	18·824	24·975
42710	5	19·216	24·893
42711	8	21·811	24·225
42712	12	24·455	24·177
42713	7	0·519	25·459
42714	5	2·451	25·798
42715	5	6·758	25·421
42716	12	7·516	25·176
42717	10	7·597	25·841
42718	12	7·959	25·164
42719*	40	9·145	25·853
42720	13	9·295	25·063
42721	9	9·455	25·590
42722	10	9·464	25·553
42723	10	9·586	25·401
42724	6	11·556	25·587
42725	6	12·205	25·605
42726*	24	12·883	25·055
42727	8	13·738	25·545
42728	12	14·636	25·853
42729	12	15·784	25·286
42730	15	16·127	25·481
42731	10	16·656	25·407
42732	11	19·414	25·424
42733	6	19·794	25·012
42734	7	20·094	25·285

42735	5	20·165	25·465
42736	6	20·525	25·704
42737	11	20·696	25·806
42738	19	20·806	25·975
42739	7	24·037	25·933

R. A. $18^h\ 31^m$

Plate 2018 ; 1902 Sept. 8.

Provisional Constants.

A	B	C
−·00040	−·00215	−·1266
D	**E**	**F**
+·00211	−·00046	−·4110

Mag. $= 16·4 - 1·36\sqrt{d}$

No.	*d*	*x*	*y*
42801	30	4·447	0·767
42802	13	4·620	0·648
42803	13	5·758	0·263
42804	12	7·158	0·676
42805	11	8·551	0·737
42806	10	8·983	0·498
42807	11	11·867	0·387
42808	10	12·453	0·300
42809	11	15·857	0·135
42810	10	18·317	0·859
42811*	31	18·358	0·196
42812	10	20·180	0·544
42813	9	20·639	0·900
42814	10	20·743	0·140
42815	21	21·720	0·950
42816	16	25·790	0·291
42817	34	0·561	1·345
42818	20	0·944	1·745
42819	27	1·174	1·726
42820	17	2·302	1·052
42821	15	3·271	1·968
42822	13	3·606	1·726
42823	11	5·850	1·170
42824	12	6·539	1·365
42825	12	6·783	1·362
42826	10	8·385	1·305
42827	10	8·585	1·809
42828*	35	8·886	1·638
42829	10	10·911	1·410
42830	12	11·880	1·102
42831	10	12·153	1·481
42832	10	14·382	1·291
42833*	42	14·958	1·125
42834	13	15·206	1·315
42835	12	15·486	1·655
42836	12	17·372	1·339
42837	12	17·561	1·521
42838	11	20·085	1·602
42839	10	20·781	1·762
42840	13	21·220	1·751
42841	10	21·440	1·126
42842	10	21·870	1·582
42843	11	22·020	1·582
42844	11	23·340	1·729
42845	12	23·475	1·845
42846	12	25·056	1·648
42847	10	25·838	1·821

42848	15	2·376	2·464
42849	12	3·161	2·603
42850	11	3·891	2·529
42851	11	4·573	2·607
42852	10	7·566	2·812
42853	11	8·045	2·236
42854	11	9·280	2·908
42855	11	10·221	2·478
42856	11	10·416	2·705
42857	11	11·221	2·000
42858	20	11·236	2·950
42859	11	13·150	2·820
42860	10	14·218	2·733
42861	19	16·360	2·918
42862	12	20·310	2·882
42863	10	21·420	2·275
42864	12	21·926	2·587
42865	14	23·317	2·637
42866	20	23·445	2·686
42867	10	23·492	2·986
42868	11	24·461	2·443
42869	11	24·482	2·086
42870	10	25·112	2·745
42871	10	25·245	2·360
42872	12	25·350	2·197
42873	21	25·633	2·745
42874	33	1·166	3·351
42875	12	2·207	3·891
42876	13	2·955	3·444
42877	11	3·065	3·565
42878*	30	3·181	3·928
42879	10	3·606	3·652
42880	41	3·711	3·302
42881	10	4·941	3·357
42882	10	5·224	3·398
42883	12	5·361	3·208
42884	10	6·825	3·971
42885	10	7·051	3·978
42886	12	7·230	3·789
42887	15	8·270	3·205
42888	20	10·005	3·739
42889	16	10·186	3·881
42890	10	11·730	3·044
42891	15	12·662	3·085
42892	20	13·817	3·361
42893	10	14·029	3·220
42894	19	14·210	3·417
42895	10	14·591	3·831
42896	20	14·688	3·855
42897	10	14·865	3·909
42898	10	14·924	3·324
42899	10	19·754	3·988
42900	13	20·448	3·927
42901	10	22·056	3·428
42902	11	23·540	3·904
42903	10	23·838	3·756
42904	9	24·260	3·141
42905	10	24·583	3·679
42906	11	3·596	4·219
42907	11	5·789	4·281
42908	20	8·141	4·799
42909	10	11·265	4·725
42910	12	13·471	4·581
42911	21	13·831	4·536
42912	19	14·055	4·678
42913	10	15·394	4·990
42914	10	16·540	4·690
42915	11	17·100	4·347
42916	12	17·114	4·291
42917	11	17·255	4·296
42918*	43	17·338	4·942
42919	11	17·346	4·773
42920	10	17·819	4·176
42921	13	17·965	4·050

42922	14	18·177	4·754
42923	11	18·500	4·999
42924	13	19·956	4·671
42925	11	22·508	4·266
42926	12	22·509	4·143
42927	10	25·518	4·600
42928	20	0·502	5·645
42929	19	0·970	5·473
42930	15	1·669	5·429
42931	10	2·968	5·912
42932	10	3·283	5·309
42933	12	4·131	5·771
42934	12	4·210	5·682
42935	10	6·471	5·171
42936	10	7·053	5·722
42937	12	10·100	5·198
42938	13	10·626	5·688
42939	8	11·841	5·757
42940*	30	12·400	5·623
42941	11	12·550	5·327
42942	10	13·291	5·106
42943	10	13·620	5·983
42944	11	14·639	5·403
42945	10	15·150	5·895
42946	17	15·826	5·573
42947	10	17·198	5·522
42948	10	19·305	5·832
42949	10	20·063	5·137
42950	10	20·354	5·740
42951	10	21·057	5·132
42952*	34	22·771	5·034
42953	11	22·822	5·872
42954	11	24·079	5·599
42955	13	24·221	5·695
42956	20	24·393	5·389
42957	12	25·039	5·462
42958	11	25·308	5·020
42959	10	25·626	5·356
42960	17	0·323	6·356
42961	21	0·648	6·537
42962	13	3·588	6·555
42963	12	3·782	6·006
42964	11	4·130	6·132
42965	10	5·323	6·829
42966	10	6·995	6·435
42967	12	7·551	6·932
42968	10	7·574	6·138
42969*	64	7·710	6·362
42970	11	9·495	6·632
42971	10	9·588	6·157
42972*	32	10·390	6·306
42973	11	10·930	6·103
42974*	52	11·145	6·048
42975	10	12·700	6·996
42976	11	14·939	6·883
42977	12	14·941	6·778
42978	11	15·193	6·510
42979	13	15·869	6·553
42980*	48	16·542	6·637
42981	12	18·221	6·439
42982	10	19·780	6·448
42983	15	20·934	6·193
42984	10	23·191	6·512
42985	10	23·197	6·892
42986	10	24·211	6·134
42987	12	24·551	6·014
42988	10	25·191	6·043
42989	22	0·114	7·283
42990	22	0·805	7·484
42991	12	2·091	7·442
42992	10	5·862	7·242
42993	12	7·289	7·843
42994	20	7·964	7·051
42995	12	8·581	7·395

42996	10	8·818	7·717
42997	11	8·839	7·692
42998	11	9·065	7·660
42999	21	10·410	7·325
43000	11	10·808	7·410
43001	11	12·550	7·003
43002*	25	15·071	7·569
43003	15	15·089	7·021
43004	10	16·141	7·926
43005	13	16·721	7·795
43006	11	16·810	7·049
43007	13	17·057	7·942
43008	11	19·501	7·076
43009	10	20·097	7·422
43010	11	20·307	7·628
43011	10	20·444	7·272
43012	12	21·260	7·695
43013	10	23·204	7·537
43014	11	24·006	7·673
43015	10	24·090	7·658
43016	11	24·144	7·611
43017	12	24·692	7·770
43018	10	25·502	7·875
43019	10	25·609	7·475
43020	11	0·295	8·319
43021	22	0·489	8·881
43022	10	3·750	8·385
43023	11	4·200	8·976
43024	20	4·295	8·000
43025	12	4·410	8·384
43026	10	6·797	8·494
43027	10	6·850	8·637
43028	10	7·631	8·067
43029	11	7·983	8·832
43030	12	9·207	8·610
43031	12	9·558	8·609
43032	13	11·793	8·412
43033	11	12·526	8·551
43034	10	13·191	8·497
43035	11	16·319	8·162
43036	20	16·707	8·359
43037	10	17·903	8·881
43038*	37	18·851	8·178
43039	10	19·600	8·200
43040	10	20·021	8·971
43041	19	20·271	8·180
43042	10	21·673	8·150
43043	10	22·512	8·761
43044*	29	22·570	8·270
43045*	29	22·586	8·734
43046	21	22·986	8·095
43047	10	23·193	8·062
43048	11	23·993	8·528
43049	10	24·721	8·910
43050	11	25·491	8·397
43051	22	0·683	9·524
43052	10	1·214	9·195
43053	11	2·510	9·363
43054*	31	2·956	9·792
43055	10	3·207	9·301
43056	10	3·318	9·997
43057	12	4·128	9·170
43058	10	4·780	9·582
43059	10	5·002	9·520
43060	10	6·215	9·083
43061	21	10·134	9·050
43062	12	11·750	9·938
43063	12	15·351	9·308
43064	11	16·300	9·611
43065	11	16·963	9·047
43066	11	19·128	9·551
43067	10	19·371	9·423
43068	12	19·620	9·396
43069	10	20·403	9·716

43070	10	20·651	9·336	43144	12	12·596	12·305	43218	11	24·757	15·450	43292	10	14·333	18·829	43366	10	20·551	20·955
43071	10	22·718	9·453	43145	13	14·970	12·500	43219	15	0·533	16·933	43293	10	14·751	18·030	43367	20	20·945	20·472
43072	10	24·665	9·934	43146	14	15·327	12·607	43220	23	1·580	16·447	43294	11	14·932	18·726	43368	10	21·096	20·440
43073	11	25·053	9·953	43147	10	15·369	12·693	43221	10	3·203	16·419	43295*	32	14·951	18·936	43369	10	21·191	20·400
43074	10	25·080	9·586	43148	13	18·506	12·151	43222	10	4·351	16·570	43296	10	14·973	18·739	43370	20	22·556	20·781
43075	10	25·646	9·086	43149	10	19·938	12·924	43223	8	6·216	16·876	43297	11	15·200	18·582	43371	11	25·738	20·799
43076	10	1·506	10·211	43150	10	21·128	12·068	43224	10	6·254	16·085	43298	11	15·565	18·365	43372	22	0·319	21·411
43077	10	1·698	10·968	43151	10	22·791	12·995	43225	10	6·589	16·191	43299	12	17·458	18·923	43373	11	2·199	21·199
43078	23	2·318	10·510	43152	10	23·425	12·764	43226	10	9·757	16·927	43300	10	17·877	18·405	43374	19	2·560	21·265
43079	10	3·104	10·291	43153	21	0·165	13·376	43227	13	10·225	16·585	43301	10	19·403	18·840	43375	10	2·977	21·381
43080	10	3·364	10·449	43154	17	0·931	13·019	43228	12	13·895	16·224	43302	12	19·871	18·326	43376	10	3·411	21·162
43081	9	3·511	10·000	43155	10	2·050	13·625	43229	10	14·399	16·354	43303	11	20·174	18·873	43377	11	4·830	21·387
43082	9	3·640	10·642	43156	10	5·140	13·258	43230	11	16·734	16·693	43304*	25	20·921	18·491	43378	10	5·095	21·530
43083	10	3·937	10·904	43157	10	5·190	13·952	43231	11	16·957	16·059	43305	10	21·015	18·991	43379	10	7·361	21·050
43084	12	4·068	10·781	43158	9	6·518	13·639	43232	10	16·961	16·155	43306	10	21·200	18·368	43380	10	7·694	21·816
43085	10	4·131	10·762	43159	10	7·289	13·230	43233	12	17·347	16·286	43307	10	22·055	18·778	43381	9	10·015	21·251
43086	11	4·565	10·637	43160	10	8·858	13·465	43234	10	18·940	16·585	43308	10	23·170	18·934	43382	12	11·110	21·147
43087	10	4·579	10·025	43161	12	9·906	13·888	43235	11	19·680	16·823	43309	10	23·914	18·586	43383	22	12·180	21·216
43088	12	7·645	10·901	43162	13	10·718	13·271	43236	18	20·681	16·936	43310	10	25·009	18·157	43384	10	12·444	21·913
43089	10	7·845	10·281	43163	20	12·241	13·313	43237	10	20·687	16·317	43311	13	2·714	19·976	43385	10	12·500	21·541
43090	12	7·915	10·214	43164	13	12·732	13·485	43238	13	21·125	16·893	43312	10	5·425	19·778	43386	10	13·206	21·887
43091	11	7·968	10·702	43165	18	18·717	13·231	43239	10	22·289	16·888	43313	10	5·851	19·675	43387	12	13·588	21·978
43092*	56	9·186	10·400	43166	11	19·168	13·514	43240	10	22·582	16·132	43314	19	5·980	19·417	43388	12	14·469	21·191
43093	10	9·341	10·918	43167	20	19·488	13·696	43241	11	22·591	16·295	43315	10	6·917	19·477	43389	10	15·049	21·480
43094	10	12·869	10·315	43168	13	21·376	13·248	43242*	31	22·880	16·911	43316	15	7·994	19·905	43390	11	15·826	21·464
43095	12	13·421	10·376	43169	10	22·450	13·867	43243	12	22·940	16·181	43317	10	8·408	19·971	43391	10	16·106	21·658
43096	12	18·794	10·545	43170*	35	22·853	13·507	43244	14	23·887	16·716	43318	10	9·701	19·761	43392	11	16·231	21·760
43097	20	18·840	10·731	43171	11	23·456	13·600	43245	10	23·951	16·862	43319	10	9·722	19·570	43393	12	17·132	21·017
43098*	20	22·265	10·236	43172	19	24·240	13·785	43246	10	24·106	16·167	43320	10	10·761	19·355	43394	10	17·311	21·218
43099	10	22·325	10·455	43173	13	25·335	13·138	43247	10	25·742	16·802	43321	10	11·186	19·537	43395	14	17·350	21·373
43100	10	22·455	10·916	43174	10	25·536	13·284	43248	12	2·134	17·516	43322	10	13·037	19·190	43396	10	18·186	21·219
43101	10	24·086	10·282	43175*	24	0·155	14·184	43249	10	3·373	17·438	43323	11	15·395	19·597	43397	12	18·235	21·084
43102	10	24·299	10·549	43176	20	0·336	14·549	43250	11	3·754	17·015	43324	10	15·500	19·348	43398	16	19·343	21·374
43103	10	24·606	10·768	43177	13	2·322	14·320	43251	10	4·066	17·228	43325	12	16·189	19·493	43399	20	20·156	21·061
43104	12	25·725	10·775	43178*	37	3·031	14·735	43252	10	5·236	17·962	43326	10	16·199	19·886	43400	10	20·997	21·777
43105	21	0·212	11·086	43179	11	5·805	14·617	43253	10	5·973	17·995	43327	10	17·740	19·744	43401	10	21·536	21·442
43106	22	0·844	11·648	43180	10	6·910	14·161	43254	10	7·726	17·041	43328	12	17·835	19·020	43402	10	22·139	21·055
43107	11	1·000	11·689	43181	13	7·505	14·477	43255	10	7·795	17·113	43329	11	18·070	19·994	43403	10	22·346	21·328
43108	10	1·856	11·229	43182	10	9·192	14·807	43256	10	9·915	17·728	43330	12	18·526	19·661	43404	10	22·780	21·598
43109	13	2·617	11·678	43183	10	9·330	14·251	43257	10	10·286	17·751	43331	10	19·429	19·040	43405	10	23·027	21·931
43110	11	3·205	11·709	43184	11	11·120	14·709	43258*	20	10·794	17·183	43332	10	19·887	19·186	43406	10	23·217	21·806
43111	10	3·718	11·018	43185	11	11·186	14·691	43259	15	11·108	17·459	43333	10	19·940	19·033	43407	20	23·590	21·130
43112	11	3·760	11·683	43186	10	11·372	14·878	43260	10	11·205	17·350	43334	10	21·025	19·198	43408	12	24·965	21·829
43113	9	4·522	11·400	43187	11	11·451	14·275	43261	10	11·530	17·793	43335	10	22·494	19·532	43409*	40	0·087	22·054
43114	10	4·557	11·447	43188	11	13·247	14·977	43262	10	11·560	17·922	43336*	25	22·509	19·890	43410	18	2·085	22·741
43115	10	5·334	11·296	43189	12	14·675	14·382	43263	10	12·568	17·184	43337	13	22·771	19·408	43411	11	5·019	22·318
43116	21	6·351	11·207	43190	10	14·708	14·852	43264	10	15·248	17·329	43338	11	23·467	19·183	43412	10	6·907	22·001
43117	10	8·466	11·240	43191*	20	15·156	14·132	43265	12	15·361	17·245	43339	10	23·831	19·008	43413	11	7·630	22·138
43118	9	8·881	11·356	43192	22	16·144	14·265	43266	10	16·256	17·605	43340	10	25·248	19·858	43414	10	7·836	22·562
43119	11	9·739	11·931	43193	11	18·330	14·702	43267	11	17·773	17·782	43341	12	25·755	19·499	43415	10	8·050	22·337
43120	10	9·906	11·048	43194	11	19·635	14·767	43268	10	18·394	17·786	43342	19	1·299	20·170	43416	10	8·067	22·951
43121	11	13·337	11·724	43195*	30	19·725	14·029	43269	20	22·211	17·310	43343	10	2·145	20·541	43417	20	8·630	22·116
43122	13	15·845	11·028	43196	10	21·251	14·012	43270	10	24·040	17·146	43344	10	3·106	20·073	43418	10	8·734	22·165
43123	12	16·286	11·142	43197	11	22·002	14·543	43271	10	24·433	17·037	43345	10	3·532	20·990	43419	12	8·768	22·014
43124	11	17·842	11·647	43198	12	25·315	14·227	43272	10	24·757	17·056	43346	10	5·541	20·000	43420	10	9·677	22·352
43125	11	19·460	11·889	43199	14	0·652	15·194	43273	10	24·831	17·064	43347	12	7·644	20·360	43421	11	10·377	22·362
43126	10	21·700	11·265	43200	16	0·755	15·684	43274	12	24·860	17·586	43348	10	8·211	20·734	43422	10	11·782	22·199
43127	13	23·815	11·283	43201	15	1·556	15·420	43275	15	1·453	18·240	43349	12	9·421	20·167	43423	21	11·915	22·418
43128	12	24·150	11·073	43202	10	3·838	15·451	43276*	27	1·499	18·988	43350	10	9·876	20·621	43424	10	12·266	22·520
43129	10	24·510	11·732	43203	19	4·855	15·735	43277	11	1·817	18·202	43351	10	10·131	20·136	43425	12	12·621	22·410
43130	10	24·661	11·618	43204	10	6·550	15·494	43278	12	3·145	18·792	43352	10	10·170	20·726	43426	11	12·794	22·012
43131	11	25·910	11·552	43205	10	7·780	15·932	43279	10	5·756	18·437	43353	10	11·293	20·482	43427	12	13·950	22·311
43132	24	0·360	12·427	43206	10	8·622	15·675	43280	10	6·300	18·301	43354*	21	12·192	20·911	43428	20	15·231	22·681
43133	17	1·198	12·974	43207	11	10·650	15·131	43281	11	7·752	18·677	43355*	39	12·250	20·407	43429	10	15·958	22·051
43134	10	1·804	12·408	43208	11	10·839	15·486	43282*	22	8·368	18·847	43356	11	13·635	20·551	43430	12	17·039	22·858
43135	10	2·315	12·391	43209	20	13·525	15·491	43283	13	8·441	18·829	43357	9	14·212	20·950	43431	10	17·150	22·220
43136	21	3·055	12·593	43210	14	13·680	15·537	43284	12	8·730	18·200	43358	10	14·720	20·080	43432	10	17·350	22·933
43137	12	3·512	12·592	43211	10	18·248	15·556	43285	10	8·925	18·630	43359	12	15·408	20·186	43433	10	17·970	22·643
43138	22	3·655	12·430	43212	10	20·233	15·532	43286	10	10·016	18·945	43360	10	15·495	20·262	43434	10	19·232	22·353
43139	12	8·381	12·013	43213*	40	20·953	15·407	43287	10	10·475	18·245	43361	17	15·683	20·537	43435	12	19·656	22·101
43140	11	9·310	12·242	43214*	26	21·121	15·088	43288	10	10·825	18·329	43362	10	16·544	20·191	43436	10	21·124	22·243
43141*	20	10·145	12·435	43215*	26	21·723	15·993	43289	15	11·204	18·471	43363	10	17·134	20·312	43437	10	21·267	22·501
43142	19	10·500	12·617	43216	10	22·578	15·558	43290	12	11·325	18·045	43364	10	18·283	20·894	43438	10	21·750	22·781
43143	10	10·693	12·023	43217	11	24·735	15·806	43291	11	13·250	18·451	43365	11	18·409	20·491	43439	23	22·437	22·000

No.	d	x	y
43440	15	23·711	22·971
43441	24	0·925	23·099
43442	26	1·912	23·867
43443	12	3·385	23·341
43444	21	3·449	23·550
43445	10	6·663	23·149
43446	10	7·311	23·492
43447	10	7·429	23·566
43448	12	7·853	23·783
43449	12	8·643	23·797
43450	10	8·874	23·124
43451	10	9·636	23·278
43452	10	10·260	23·333
43453	10	10·311	23·742
43454	10	10·560	23·595
43455	12	10·963	23·378
43456	11	11·799	23·730
43457	10	11·875	23·695
43458	12	11·876	23·712
43459	10	11·968	23·595
43460	10	12·441	23·412
43461	10	12·471	23·225
43462	10	12·618	23·167
43463	12	12·646	23·162
43464	10	14·251	23·537
43465*	22	14·271	23·410
43466	11	14·710	23·052
43467	10	15·869	23·135
43468	10	16·140	23·636
43469	10	16·491	23·210
43470	10	17·033	23·656
43471	10	18·226	23·304
43472	10	18·800	23·799
43473	12	18·845	23·831
43474	10	19·087	23·672
43475	10	19·312	23·169
43476	10	20·427	23·500
43477	10	21·066	23·535
43478	12	22·195	23·187
43479	10	22·528	23·219
43480	10	23·707	23·736
43481	10	24·245	23·940
43482	10	24·249	23·721
43483	14	25·556	23·136
43484	10	25·576	23·405
43485	10	25·687	23·773
43486	10	25·745	23·576
43487	10	10·247	24·231
43488	22	10·318	24·248
43489	11	11·793	24·636
43490	18	14·947	24·831
43491	11	15·055	24·549
43492	10	16·018	24·425
43493	20	17·138	24·570
43494*	25	18·088	24·724
43495	11	18·452	24·766
43496	10	18·581	24·931
43497	10	18·620	24·513
43498	10	18·707	24·961
43499	19	21·214	24·954
43500	10	22·053	24·636
43501	10	22·145	24·361
43502	10	22·794	24·077
43503	10	23·882	24·276
43504	11	24·217	24·467
43505	12	25·068	24·695
43506	11	25·137	24·707
43507	10	25·636	24·749
43508	32	1·401	25·808
43509	22	1·520	25·629
43510	15	3·508	25·085
43511	20	3·685	25·469
43512	20	9·197	25·844
43513	12	10·415	25·358

No.	d	x	y
43514*	33	10·750	25·234
43515	12	11·141	25·439
43516	11	11·499	25·249
43517	10	11·831	25·161
43518	13	13·480	25·847
43519	10	14·183	25·064
43520	10	15·509	25·629
43521	10	15·620	25·664
43522	20	15·670	25·086
43523	10	16·839	25·343
43524	10	17·013	25·410
43525	10	17·561	25·049
43526	10	18·492	25·043
43527	12	22·363	25·951
43528	12	22·581	26·000
43529	18	22·859	25·075
43530	11	22·911	25·633
43531	11	23·610	25·259
43532	10	24·857	25·599
43533	19	25·956	25·091

R. A. 18h 40m

Plate 1602; 1900 Sept. 17.

Provisional Constants.

A	B	C
−·00039	+·00403	−·6257
D	**E**	**F**
−·00433	−·00044	+·0283

Mag. = 16·9 − 1·36 $\sqrt{d}$

No.	d	x	y
43601	20	0·822	0·028
43602	10	1·905	0·645
43603	14	5·137	0·705
43604	12	6·380	0·743
43605	10	7·156	0·629
43606	22	7·675	0·324
43607	12	16·307	0·769
43608	11	17·435	0·245
43609	17	17·946	0·369
43610	18	18·297	0·418
43611	19	19·361	0·402
43612	13	21·253	0·016
43613	11	22·984	0·815
43614	14	4·866	1·515
43615	21	5·466	1·205
43616	15	7·127	1·584
43617	12	9·306	1·306
43618	12	9·947	1·444
43619	10	10·564	1·174
43620	21	12·554	1·240
43621	10	14·186	1·284
43622	14	16·285	1·098
43623	12	17·334	1·425
43624	16	17·710	1·337
43625	14	18·533	1·237
43626	10	20·788	1·968
43627	10	21·116	1·965
43628	10	21·308	1·843
43629	12	23·276	1·707
43630	10	1·212	2·024
43631	19	5·046	2·672

No.	d	x	y
43632	10	5·525	2·075
43633	10	5·855	2·363
43634	12	7·495	2·517
43635	12	8·274	2·623
43636	10	8·713	2·905
43637	26	9·269	2·828
43638	10	12·251	2·857
43639	19	15·284	2·301
43640	12	15·734	2·188
43641*	35	16·295	2·211
43642	12	17·032	2·136
43643	11	17·139	2·474
43644	12	19·573	2·888
43645	13	20·313	2·924
43646	10	20·685	2·208
43647	11	21·844	2·197
43648	10	22·033	2·305
43649	20	22·746	2·403
43650*	33	23·735	2·188
43651	16	24·794	2·868
43652	12	25·682	2·938
43653	18	25·716	2·191
43654	23	1·815	3·104
43655	10	3·568	3·446
43656*	42	3·669	3·397
43657	11	4·206	3·528
43658*	37	5·707	3·384
43659*	52	5·719	3·428
43660	10	12·630	3·366
43661	11	15·765	3·695
43662	10	16·095	3·864
43663	10	17·168	3·717
43664	21	21·210	3·046
43665	10	21·621	3·177
43666	10	21·837	3·197
43667	10	21·940	3·285
43668	11	22·287	3·407
43669	13	22·826	3·405
43670	22	23·446	3·646
43671	10	24·986	3·580
43672*	31	25·345	3·926
43673*	33	4·399	4·914
43674	11	5·877	4·645
43675	10	8·781	4·084
43676	11	8·955	4·074
43677	16	9·203	4·375
43678	10	11·910	4·375
43679*	38	12·035	4·617
43680	34	12·100	4·650
43681*	32	13·986	4·526
43682	14	14·238	4·459
43683	10	14·437	4·471
43684	12	15·542	4·633
43685	14	18·746	4·844
43686	12	19·367	4·576
43687	11	19·714	4·486
43688	28	20·103	4·656
43689	10	21·170	4·196
43690*	32	21·337	4·772
43691	20	22·351	4·868
43692	15	25·536	4·085
43693	25	0·645	5·775
43694	12	1·294	5·835
43695	21	3·016	5·647
43696	13	3·305	5·401
43697	13	3·795	5·472
43698	12	4·149	5·372
43699	11	5·914	5·255
43700	10	6·985	5·890
43701	10	7·823	5·787
43702	10	10·115	5·075
43703	10	10·476	5·224
43704	16	11·045	5·353
43705	19	12·005	5·536

No.	d	x	y
43706	18	12·490	5·243
43707	12	14·513	5·992
43708	10	17·582	5·750
43709*	30	17·996	5·011
43710	10	18·165	5·804
43711	15	20·063	5·205
43712	17	20·816	5·785
43713	10	24·295	5·901
43714	14	24·307	5·776
43715	10	24·704	5·499
43716	10	0·484	6·086
43717	12	0·820	6·398
43718	10	5·906	6·580
43719	14	6·064	6·265
43720	10	6·802	6·513
43721	11	7·322	6·544
43722	10	7·861	6·017
43723	20	8·578	6·203
43724	10	8·833	6·839
43725	11	8·995	6·807
43726	14	14·229	6·937
43727	10	16·164	6·695
43728*	30	18·937	6·405
43729*	40	19·685	6·707
43730	10	19·711	6·895
43731	10	20·552	6·873
43732	10	21·029	6·863
43733	13	23·408	6·066
43734	10	1·915	7·831
43735	10	4·458	7·404
43736	13	6·308	7·528
43737	12	7·437	7·228
43738	22	9·625	7·174
43739	10	9·764	7·133
43740	10	10·886	7·400
43741	12	11·417	7·184
43742	14	18·281	7·582
43743	15	18·328	7·841
43744	10	18·527	7·785
43745	10	19·855	7·598
43746	14	22·545	7·379
43747	14	24·276	7·695
43748	14	24·489	7·204
43749	21	25·905	7·200
43750	10	0·316	8·074
43751	10	0·327	8·924
43752	10	0·455	8·005
43753	15	1·006	8·148
43754	13	1·823	8·756
43755	12	3·855	8·825
43756	26	4·065	8·470
43757	19	7·460	8·497
43758	12	10·664	8·824
43759	12	14·319	8·892
43760*	30	19·756	8·844
43761	10	20·140	8·995
43762	14	20·236	8·688
43763	28	21·926	8·985
43764	12	22·655	8·684
43765*	37	24·634	8·036
43766	13	24·655	8·755
43767	10	25·170	8·741
43768	10	4·216	9·354
43769*	28	5·776	9·467
43770	14	7·536	9·904
43771	36	13·650	9·170
43772	12	17·665	9·732
43773	14	18·724	9·104
43774	13	20·452	9·646
43775	12	20·639	9·412
43776	10	23·917	9·914
43777	10	24·335	9·544
43778	14	24·809	9·182
43779	22	25·123	9·824

No.	d	x	y
43780	10	0·687	10·936
43781	11	1·425	10·324
43782	26	2·491	10·174
43783*	59	2·673	10·129
43784	10	2·885	10·377
43785	11	3·215	10·323
43786	14	4·232	10·816
43787	13	5·471	10·025
43788*	32	5·757	10·156
43789	10	7·953	10·405
43790	13	8·067	10·741
43791	10	10·867	10·773
43792	16	15·426	10·413
43793	24	16·314	10·977
43794	10	16·315	10·452
43795	20	18·174	10·745
43796	36	19·365	10·766
43797	10	19·369	10·587
43798	20	20·114	10·446
43799	27	20·116	10·452
43800	16	20·324	10·865
43801	14	22·634	10·384
43802	13	23·028	10·861
43803	10	24·005	10·156
43804	12	25·144	10·817
43805	14	25·816	10·256
43806	16	0·222	11·686
43807	12	0·554	11·467
43808	14	2·117	11·127
43809	12	2·325	11·900
43810	13	4·075	11·069
43811	10	4·405	11·286
43812	12	4·625	11·902
43813	12	8·082	11·588
43814	19	9·202	11·168
43815	12	11·790	11·204
43816	13	12·733	11·763
43817*	39	13·576	11·802
43818	23	14·397	11·106
43819	19	16·206	11·083
43820	12	18·615	11·855
43821	26	19·265	11·194
43822	10	24·334	11·206
43823	20	24·821	11·444
43824	16	6·131	12·384
43825	11	6·965	12·404
43826	22	7·515	12·796
43827	10	9·590	12·544
43828	10	10·633	12·227
43829	10	13·869	12·666
43830	10	14·263	12·701
43831	10	15·238	12·737
43832	10	16·510	12·227
43833	12	17·530	12·555
43834	14	18·576	12·381
43835	11	19·196	12·583
43836	20	22·835	12·166
43837	15	24·127	12·351
43838	16	24·545	12·211
43839	13	24·829	12·427
43840	10	25·696	12·204
43841	14	1·795	13·499
43842	10	3·104	13·965
43843	20	5·003	13·810
43844	10	5·320	13·791
43845	18	5·535	13·669
43846	12	7·962	13·046
43847	12	8·429	13·258
43848	12	8·430	13·372
43849	12	9·516	13·867
43850	12	10·200	13·395
43851*	56	10·430	13·416
43852	14	10·685	13·854
43853	21	11·494	13·275

No.	d	x	y
43854	20	16·456	13·675
43855	11	19·947	13·331
43856*	36	21·591	13·726
43857	10	21·778	13·344
43858*	28	21·830	13·213
43859	11	21·877	13·925
43860	12	22·622	13·814
43861	12	23·110	13·586
43862	12	23·273	13·563
43863	12	23·284	13·704
43864	10	24·383	13·807
43865	11	25·826	13·644
43866	21	0·715	14·175
43867	15	1·804	14·590
43868	13	5·618	14·244
43869	10	5·802	14·180
43870	20	8·621	14·059
43871	24	9·556	14·634
43872	27	10·092	14·300
43873	10	10·543	14·352
43874	12	14·187	14·910
43875	25	16·430	14·175
43876	16	18·466	14·888
43877*	25	19·477	14·954
43878	14	22·196	14·583
43879	10	6·272	15·761
43880	27	8·050	15·845
43881	26	9·600	15·607
43882	12	13·953	15·777
43883	13	15·895	15·725
43884	22	17·672	15·063
43885	13	18·364	15·570
43886	10	20·836	15·474
43887	27	23·335	15·157
43888	14	25·086	15·587
43889	10	25·863	15·086
43890	24	3·496	16·898
43891	26	4·132	16·575
43892*	30	9·298	16·925
43893	19	9·846	16·857
43894	22	11·824	16·321
43895*	37	13·124	16·325
43896	11	16·154	16·940
43897	10	18·142	16·770
43898	12	18·305	16·145
43899	12	18·937	16·693
43900	12	18·951	16·123
43901	21	20·693	16·204
43902*	52	21·214	16·513
43903	26	21·473	16·000
43904	10	22·247	16·737
43905*	32	22·365	16·685
43906	13	22·607	16·784
43907	10	22·845	16·469
43908	26	23·377	16·716
43909	12	24·177	16·089
43910	22	24·565	16·282
43911	12	25·446	16·165
43912	12	25·593	16·875
43913	13	25·789	16·739
43914	15	0·440	17·114
43915	10	0·606	17·540
43916	16	1·435	17·957
43917	10	5·341	17·735
43918	12	5·819	17·174
43919	14	5·906	17·665
43920	10	7·914	17·007
43921	10	8·665	17·661
43922	14	9·196	17·625
43923	20	10·996	17·012
43924*	44	13·150	17·332
43925	12	15·038	17·404
43926	19	17·406	17·538
43927*	33	20·018	17·925

No.	d	x	y
43928	11	20·925	17·043
43929	14	20·940	17·576
43930	10	21·492	17·739
43931	10	22·825	17·295
43932	13	23·161	17·361
43933	10	24·582	17·616
43934	10	25·535	17·889
43935	10	3·690	18·461
43936*	34	5·095	18·565
43937	12	6·656	18·556
43938	23	8·114	18·554
43939	20	9·353	18·225
43940	10	9·491	18·051
43941	13	9·751	18·082
43942	10	10·459	18·719
43943	12	10·874	18·305
43944*	35	11·313	18·079
43945	12	11·320	18·745
43946	10	15·619	18·086
43947	12	16·560	18·454
43948	14	17·455	18·978
43949	10	18·385	18·643
43950	10	18·502	18·989
43951	14	21·787	18·736
43952	13	22·818	18·349
43953	17	23·718	18·123
43954	20	24·855	18·056
43955	12	24·924	18·285
43956	10	25·327	18·871
43957	15	25·662	18·616
43958	10	0·083	19·593
43959	12	2·380	19·847
43960*	36	3·136	19·855
43961*	47	4·079	19·636
43962	12	4·525	19·976
43963*	22	4·993	19·974
43964*	66	7·115	19·256
43965	20	7·284	19·874
43966	11	8·060	19·201
43967	10	9·124	19·677
43968*	29	12·345	19·950
43969	22	12·575	19·746
43970	10	14·843	19·192
43971	26	15·940	19·477
43972	10	18·616	19·987
43973	10	19·485	19·904
43974	26	20·574	16·956
43975	12	23·053	19·605
43976	10	23·983	19·525
43977	19	24·862	19·005
43978	10	25·052	19·797
43979	13	3·445	20·842
43980*	24	4·014	20·455
43981	10	4·102	20·529
43982	11	4·296	20·720
43983	12	6·135	20·704
43984	14	6·197	20·386
43985	12	6·756	20·876
43986	10	6·906	20·745
43987	14	8·606	20·395
43988	14	10·586	20·297
43989	10	11·083	20·520
43990	24	13·146	20·108
43991	12	14·097	20·024
43992	12	15·763	20·435
43993	12	16·083	20·967
43994	10	18·065	20·558
43995	19	18·536	20·869
43996*	78	23·134	20·721
43997	12	23·859	20·096
43998	20	0·256	21·536
43999	10	2·845	21·504
44000	10	3·637	21·323
44001	12	4·294	21·462

No.	d	x	y
44002	10	5·747	21·980
44003	10	6·592	21·526
44004	10	8·020	21·794
44005	10	8·320	21·023
44006	12	9·367	21·841
44007	16	9·735	21·175
44008	12	10·906	21·752
44009	20	10·927	21·907
44010	14	11·685	21·033
44011	15	15·609	21·430
44012	12	16·544	21·576
44013	12	16·555	21·697
44014	12	18·304	21·105
44015	10	18·423	21·906
44016	10	19·177	21·772
44017	10	21·750	21·374
44018	13	21·755	21·362
44019	10	22·863	21·894
44020	12	24·156	21·650
44021	10	24·584	21·535
44022	12	24·844	21·505
44023	12	1·655	22·196
44024	14	5·977	22·686
44025	10	10·945	22·325
44026	10	12·458	22·034
44027	12	12·581	22·084
44028*	71	12·730	22·909
44029	11	14·526	22·195
44030	10	15·012	22·985
44031	10	16·265	22·137
44032	10	18·365	22·374
44033	12	20·855	22·295
44034	11	21·096	22·871
44035	10	22·030	22·464
44036	16	23·007	22·386
44037	16	23·415	22·916
44038	10	23·576	22·716
44039	12	0·432	23·374
44040	11	2·278	23·490
44041	10	4·864	23·810
44042	19	5·104	23·995
44043	10	6·306	23·685
44044	10	7·306	23·612
44045	14	8·734	23·615
44046	12	9·227	23·827
44047*	28	10·646	23·947
44048	10	11·258	23·790
44049	10	12·154	23·361
44050	23	15·205	23·017
44051*	20	15·211	23·565
44052	11	20·095	23·457
44053	10	21·007	23·910
44054	10	22·460	23·914
44055	10	24·677	23·094
44056	10	3·232	24·211
44057	20	5·521	24·691
44058	12	6·069	24·031
44059	12	6·164	24·735
44060	10	7·992	24·747
44061	12	9·057	24·325
44062	10	9·599	24·337
44063	20	10·246	24·110
44064	10	11·677	24·485
44065	10	12·005	24·895
44066	20	13·511	24·342
44067	14	14·365	24·606
44068	10	16·475	24·044
44069	10	17·055	24·912
44070	25	18·009	24·736
44071	13	19·866	24·595
44072	21	20·469	24·612
44073	11	23·314	24·126
44074	10	23·761	24·735
44075	11	1·836	25·058

No.	d	x	y
44076	12	2·733	25·434
44077	23	3·191	25·255
44078	10	4·319	25·643
44079*	29	8·836	25·358
44080	12	8·992	25·896
44081	15	9·355	25·878
44082	10	11·507	25·054
44083	12	13·648	25·360
44084	16	14·145	25·266
44085	16	16·016	25·635
44086	10	16·355	25·451
44087	24	16·614	25·256
44088	24	17·609	25·151
44089	10	18·732	25·117
44090	20	18·841	25·305
44091	34	19·314	25·909
44092	34	19·810	25·667
44093	16	20·846	25·732
44094	12	23·965	25·934
44095	14	25·989	25·656

R. A. 18h 49m

Plate 1603; 1900 Sept. 17.

Provisional Constants.

A	B	C
−·00053	+·00353	−·5793
D	**E**	**F**
−·00341	−·00045	−·2292

Mag. = 16·7 − 1·36$\sqrt{d}$

No.	d	x	y
44101	22	3·625	0·764
44102	14	5·549	0·501
44103	23	6·237	0·409
44104*	40	9·221	0·420
44105	12	11·784	0·644
44106	20	14·473	0·849
44107	10	15·136	0·140
44108	11	15·269	0·278
44109	9	15·480	0·419
44110	12	16·380	0·366
44111	11	17·234	0·277
44112	19	20·954	0·747
44113	10	21·727	0·862
44114	12	22·052	0·820
44115	12	23·189	0·494
44116	13	23·225	0·502
44117	12	24·262	0·943
44118	37	25·293	0·241
44119	10	6·461	1·231
44120	12	6·723	1·079
44121	20	7·400	1·050
44122*	22	8·198	1·703
44123	20	10·539	1·885
44124	12	11·011	1·172
44125	11	14·475	1·537
44126	16	18·083	1·766
44127	12	19·391	1·180
44128	10	20·657	1·505
44129	18	21·674	1·578
44130	10	21·721	1·914
44131*	30	22·311	1·900
44132	17	23·279	1·341

No.	d	x	y
44133*	21	23·750	1·921
44134	15	24·927	1·371
44135*	60	0·428	2·037
44136	28	1·502	2·698
44137*	23	2·411	2·001
44138*	27	5·430	2·070
44139*	38	6·845	2·824
44140	10	7·824	2·924
44141*	21	8·325	2·650
44142	10	9·426	2·598
44143	11	10·795	2·616
44144	11	12·015	2·459
44145	11	13·836	2·171
44146*	21	14·615	2·300
44147	26	16·266	2·935
44148	12	16·579	2·190
44149	10	16·782	2·797
44150	10	17·571	2·491
44151	9	18·618	2·848
44152	13	18·771	2·195
44153	10	19·267	2·613
44154*	50	20·103	2·915
44155	12	20·811	2·261
44156	10	20·856	2·843
44157	12	21·195	2·850
44158	13	22·339	2·331
44159	12	22·870	2·669
44160	13	25·455	2·419
44161	41	0·170	3·499
44162*	40	2·074	3·745
44163	20	2·267	3·899
44164	12	4·055	3·227
44165	11	5·300	3·994
44166*	30	5·855	3·895
44167	14	6·380	3·363
44168	19	6·800	3·602
44169	20	7·485	3·585
44170*	21	7·636	3·549
44171	17	8·860	3·297
44172	10	10·956	3·541
44173	20	13·130	3·980
44174	11	14·656	3·487
44175	12	14·762	3·224
44176	13	14·826	3·792
44177	26	15·711	3·309
44178	10	16·534	3·746
44179	10	16·566	3·274
44180*	36	17·039	3·149
44181*	20	17·700	3·357
44182	19	19·385	3·055
44183	10	22·930	3·741
44184	10	23·030	3·655
44185	15	24·317	3·345
44186	13	25·437	3·093
44187	12	4·915	4·729
44188	21	5·882	4·955
44189	20	7·193	4·531
44190	25	10·164	4·999
44191	22	10·400	4·455
44192*	33	12·745	4·455
44193	13	14·425	4·884
44194	12	15·030	4·541
44195	18	17·364	4·543
44196	18	17·696	4·140
44197	12	18·620	4·265
44198	10	21·052	4·136
44199	22	21·365	4·165
44200	12	21·625	4·410
44201	11	22·135	4·779
44202	12	22·625	4·401
44203	18	22·629	4·382
44204	10	23·065	4·684
44205	10	23·758	4·979
44206	22	0·177	5·919

44207	23	1·070	5·614	44281	20	9·926	9·729	44355	16	24·911	13·928	44429*	28	7·491	17·110	44503	10	14·990	20·407
44208	21	3·744	5·385	44282	20	12·166	9·575	44356	10	2·805	14·891	44430*	30	8·460	17·251	44504	13	17·457	20·427
44209	16	4·880	5·916	44283*	40	18·036	9·740	44357	12	3·211	14·914	44431	20	9·759	17·965	44505	11	17·595	20·989
44210	15	5·282	5·386	44284	12	21·746	9·985	44358	11	3·708	14·579	44432	14	11·231	17·260	44506	20	18·574	20·752
44211	22	6·002	5·416	44285	11	22·070	9·398	44359	9	5·821	14·549	44433	18	11·936	17·496	44507	13	19·586	20·328
44212	10	6·424	5·528	44286	10	22·370	9·359	44360	10	7·293	14·025	44434	20	11·983	17·472	44508	11	20·011	20·957
44213	25	15·490	5·255	44287	12	23·160	9·664	44361	13	9·936	14·439	44435	20	12·858	17·573	44509	10	20·476	20·482
44214	14	16·685	5·100	44288	11	23·361	9·887	44362	17	10·768	14·728	44436	16	13·825	17·333	44510	10	22·472	20·732
44215	12	20·768	5·171	44289	10	24·719	9·480	44363	15	11·810	14·342	44437	13	14·761	17·700	44511	13	22·622	20·232
44216	16	23·441	5·390	44290	12	24·855	9·119	44364	17	12·015	14·085	44438	20	17·575	17·966	44512	20	22·899	20·374
44217	20	24·543	5·267	44291	12	2·666	10·065	44365	20	14·319	14·564	44439	11	18·680	17·676	44513	11	23·142	20·695
44218	12	25·461	5·690	44292	12	3·174	10·272	44366	12	18·290	14·465	44440	12	19·025	17·789	44514	10	24·752	20·836
44219	13	25·909	5·520	44293	13	3·955	10·889	44367	25	22·095	14·452	44441	12	20·161	17·981	44515	12	24·747	20·482
44220	12	3·095	6·749	44294	12	4·160	10·141	44368*	30	22·171	14·640	44442	22	20·677	17·211	44516	12	24·836	20·798
44221*	26	3·729	6·365	44295	11	4·501	10·455	44369	10	23·120	14·039	44443	12	21·986	17·911	44517	20	25·160	20·449
44222	12	6·077	6·483	44296	20	18·369	10·121	44370	12	24·292	14·938	44444	10	23·092	17·414	44518	20	1·226	21·486
44223*	30	10·305	6·867	44297	13	20·269	10·653	44371	12	25·375	14·852	44445	13	23·215	17·620	44519	22	1·910	21·330
44224	14	12·209	6·605	44298	12	21·745	10·541	44372	33	0·280	15·012	44446	16	23·819	17·789	44520	23	4·185	21·290
44225	23	14·217	6·724	44299	19	23·416	10·375	44373	18	1·140	15·926	44447	12	24·276	17·192	44521	20	5·000	21·605
44226	20	15·803	6·249	44300	11	24·491	10·360	44374	18	2·039	15·407	44448	11	24·290	17·767	44522	10	5·180	21·523
44227	20	15·834	6·273	44301	21	1·691	11·272	44375	14	2·410	15·976	44449	23	1·879	18·828	44523	10	5·513	21·404
44228	15	17·219	6·490	44302	12	4·504	11·730	44376	12	4·975	15·569	44450	20	1·929	18·107	44524*	32	5·546	21·132
44229*	31	18·670	6·602	44303	12	4·708	11·260	44377	12	5·836	15·539	44451	20	2·670	18·425	44525	14	6·441	21·517
44230	12	18·979	6·353	44304	10	5·115	11·867	44378	10	6·121	15·925	44452*	40	3·185	18·130	44526	12	9·492	21·560
44231	18	19·602	6·645	44305	12	5·915	11·595	44379*	30	7·165	15·550	44453	19	3·515	18·199	44527	10	9·955	21·680
44232	10	22·175	6·067	44306	12	6·745	11·911	44380	10	7·376	15·707	44454*	50	4·683	18·944	44528	9	10·501	21·921
44233	11	23·775	6·529	44307	12	8·512	11·131	44381	12	7·481	15·686	44455	17	6·203	18·347	44529	10	11·431	21·405
44234	30	24·574	6·098	44308	20	10·725	11·138	44382	12	13·163	15·541	44456	12	6·729	18·760	44530	16	12·906	21·779
44235*	30	25·438	6·144	44309*	30	11·775	11·268	44383	13	13·494	15·647	44457	14	8·089	18·312	44531	10	13·555	21·922
44236	22	1·076	7·531	44310	32	14·262	11·330	44384	14	14·590	15·937	44458	13	8·720	18·443	44532	12	16·191	21·690
44237	20	1·280	7·035	44311	22	15·760	11·710	44385	20	14·833	15·888	44459	12	11·141	18·275	44533	14	18·065	21·660
44238*	41	1·439	7·867	44312	15	15·781	11·516	44386	24	15·914	15·738	44460	12	11·199	18·875	44534	12	18·782	21·350
44239	23	2·694	7·006	44313	10	22·792	11·010	44387	23	18·305	15·049	44461	24	14·004	18·175	44535	16	19·243	21·067
44240*	31	4·486	7·768	44314	10	23·770	11·167	44388	13	21·386	15·663	44462	13	15·874	18·134	44536	14	19·261	21·328
44241	11	5·415	7·239	44315	14	1·018	12·190	44389	12	21·471	15·182	44463	12	16·906	18·990	44537	17	21·030	21·331
44242	12	8·783	7·584	44316	18	1·430	12·040	44390*	39	23·167	15·865	44464	13	20·860	18·143	44538	10	21·306	21·811
44243	12	10·010	7·430	44317	13	1·720	12·253	44391	10	23·295	15·972	44465	12	21·031	18·450	44539	10	21·915	21·390
44244	13	12·899	7·728	44318	11	4·110	12·340	44392	11	23·545	15·731	44466	14	21·219	18·631	44540	11	22·356	21·105
44245	20	13·404	7·151	44319	10	4·420	12·218	44393	10	23·561	15·375	44467*	18	21·428	18·960	44541	14	25·275	21·649
44246	15	13·429	7·920	44320	11	5·794	12·565	44394	12	25·201	15·879	44468	10	22·830	18·515	44542	31	0·090	22·245
44247	20	14·259	7·620	44321	13	8·040	12·943	44395	32	0·354	16·570	44469	20	22·931	18·045	44543	35	0·506	22·768
44248	18	16·100	7·900	44322	13	8·600	12·137	44396	27	1·531	16·110	44470	12	22·936	18·801	44544	21	1·772	22·921
44249	12	19·369	7·637	44323*	30	9·900	12·300	44397	12	2·570	16·684	44471	10	23·477	18·819	44545	21	6·035	22·660
44250*	26	20·840	7·399	44324	14	11·141	12·150	44398	19	2·765	16·545	44472	10	23·990	18·195	44546	12	8·359	22·040
44251	10	21·695	7·296	44325	17	13·879	12·495	44399	23	3·282	16·270	44473	10	24·017	18·180	44547	10	9·209	22·114
44252	11	23·247	7·560	44326	14	14·170	12·679	44400	12	4·846	16·030	44474*	21	24·713	18·656	44548*	32	10·255	22·823
44253	10	23·724	7·876	44327	21	15·149	12·253	44401	12	5·284	16·680	44475	21	0·081	19·461	44549	11	10·283	22·229
44254	13	25·778	7·380	44328*	40	17·749	12·950	44402	10	6·084	16·185	44476	21	0·897	19·939	44550	15	14·054	22·909
44255	16	1·475	8·584	44329	20	18·995	12·597	44403*	41	10·173	16·015	44477	12	2·083	19·618	44551	23	14·238	22·110
44256	10	1·990	8·561	44330	20	21·657	12·371	44404	19	12·366	16·384	44478	12	3·116	19·945	44552	14	15·360	22·266
44257*	21	3·695	8·886	44331	10	23·013	12·282	44405*	40	12·526	16·160	44479	12	3·555	19·171	44553	12	17·508	22·500
44258	19	6·188	8·534	44332	20	24·301	12·315	44406	18	12·759	16·339	44480	22	3·684	19·748	44554	11	18·077	22·710
44259	22	6·271	8·575	44333	10	25·043	12·420	44407*	33	13·280	16·690	44481	13	3·815	19·626	44555	13	18·209	22·841
44260	12	6·480	8·287	44334	19	0·024	13·444	44408	27	13·850	16·121	44482	30	5·216	19·583	44556	10	18·281	22·212
44261	12	8·039	8·147	44335	19	0·185	13·416	44409	20	17·150	16·007	44483	10	5·559	19·915	44557	12	18·594	22·635
44262*	30	9·070	8·225	44336	16	0·199	13·558	44410	14	17·906	16·095	44484	12	13·509	19·525	44558	12	20·620	22·044
44263*	40	18·685	8·544	44337	11	2·743	13·447	44411*	28	19·460	16·309	44485	16	14·059	19·885	44559	10	21·335	22·284
44264	21	21·030	8·235	44338	12	3·033	13·295	44412*	30	19·837	16·252	44486	13	15·247	19·850	44560	10	21·344	22·055
44265*	26	21·263	8·957	44339	12	3·887	13·863	44413	12	21·370	16·562	44487	23	16·250	19·598	44561	22	22·039	22·370
44266*	18	21·469	8·662	44340	10	4·216	13·812	44414	12	21·800	16·003	44488	18	17·129	19·640	44562	16	22·905	22·899
44267	10	22·486	8·136	44341	13	5·030	13·934	44415	27	22·548	16·506	44489	12	17·851	19·829	44563	13	25·273	22·893
44268	11	22·707	8·135	44342	12	5·291	13·238	44416	12	22·719	16·179	44490*	29	21·200	19·860	44564	22	3·934	23·359
44269	19	23·861	8·876	44343	12	5·591	13·600	44417*	30	22·720	16·665	44491	20	22·168	19·600	44565	15	4·340	23·113
44270	10	24·570	8·916	44344	10	6·790	13·345	44418	12	22·880	16·768	44492	21	23·885	19·188	44566	23	4·415	23·375
44271	16	25·815	8·392	44345	20	8·161	13·719	44419	9	24·574	16·569	44493*	82	0·185	20·577	44567	21	4·880	23·578
44272	15	0·760	9·755	44346	16	9·125	13·268	44420	20	0·148	17·215	44494	16	3·881	20·409	44568	12	6·169	23·000
44273	12	0·856	9·995	44347	12	9·138	13·602	44421	30	0·718	17·967	44495	12	5·083	20·770	44569	17	8·854	23·145
44274	16	1·637	9·006	44348	15	9·215	13·836	44422	17	1·572	17·448	44496	12	5·200	20·048	44570	12	12·054	23·679
44275	21	1·964	9·645	44349	20	14·365	13·290	44423	26	1·852	17·882	44497	10	5·931	20·148	44571	21	12·436	23·810
44276	20	3·195	9·255	44350	13	18·498	13·494	44424	12	2·531	17·700	44498	11	7·502	20·994	44572	11	13·791	23·740
44277	12	5·622	9·039	44351*	23	19·693	13·380	44425	10	3·811	17·010	44499	14	9·115	20·635	44573	10	15·462	23·945
44278	12	6·901	9·386	44352*	23	22·835	13·557	44426	10	4·699	17·268	44500	12	11·895	20·081	44574	27	15·816	23·206
44279	13	9·300	9·133	44353	10	23·393	13·479	44427	12	5·835	17·348	44501	14	13·376	20·811	44575	13	16·200	23·769
44280	11	9·757	9·580	44354	12	24·555	13·901	44428	10	6·909	17·649	44502*	22	13·981	20·900	44576	12	16·234	23·954

R. A. 18h 58m

Plate 1604 ; 1900 Sept. 17.

Provisional Constants.

A	B	C
−·00034	+·00428	−·6490
D	**E**	**F**
−·00454	−·00037	+·0595

Mag. = 17·0 − 1·36√*d*

No.	*d*	*x*	*y*
44577	10	16·678	23·877
44578	10	17·127	23·872
44579	30	17·774	23·937
44580	11	18·204	23·861
44581	12	19·538	23·119
44582	10	19·895	23·629
44583	22	20·692	23·399
44584	14	21·893	23·280
44585*	48	23·473	23·142
44586	14	25·341	23·239
44587	22	25·915	23·859
44588	13	4·462	24·700
44589	12	7·378	24·577
44590	14	7·900	24·970
44591	16	8·045	24·231
44592	21	8·506	24·171
44593	10	11·201	24·358
44594	13	13·094	24·494
44595	11	14·695	24·666
44596	10	14·970	24·971
44597	12	16·640	24·510
44598	12	16·750	24·919
44599	12	17·267	24·619
44600	20	17·429	24·190
44601	10	18·050	24·277
44602	10	18·111	24·604
44603	12	19·757	24·140
44604	10	21·447	24·766
44605	20	22·135	24·166
44606	20	22·805	24·825
44607	12	22·976	24·324
44608	10	23·096	24·411
44609*	42	23·403	24·809
44610	26	3·134	25·459
44611	19	4·289	25·910
44612	22	4·449	25·409
44613	16	4·723	25·662
44614	12	5·640	25·122
44615	13	6·877	25·787
44616	12	8·101	25·746
44617	10	8·565	25·631
44618	10	8·801	25·800
44619	18	10·150	25·274
44620	19	12·411	25·903
44621	10	13·980	25·060
44622	20	14·273	25·442
44623	21	15·028	25·510
44624	14	15·469	25·204
44625	14	15·575	25·758
44626	10	17·220	25·740
44627	23	18·011	25·326
44628	10	19·680	25·810
44629	19	19·826	25·785
44630	10	20·040	25·116
44631	11	21·834	25·029
44632	20	22·025	25·155
44633*	29	23·775	25·380
44634*	42	24·709	25·007
44635	22	25·615	25·616
44701*	35	1·836	0·585
44702	14	6·100	0·696
44703	12	8·057	0·188
44704	29	8·206	0·824
44705	12	8·986	0·526
44706*	24	10·453	0·283
44707	12	10·496	0·085
44708	9	10·896	0·953
44709	11	12·886	0·033
44710	23	17·725	0·365
44711	10	20·434	0·522
44712	10	22·844	0·015
44713	12	23·190	0·503
44714	30	23·737	0·085
44715	10	24·887	0·514
44716	10	0·822	1·305
44717	11	1·496	1·720
44718	13	2·735	1·265
44719*	29	2·912	1·634
44720	9	3·436	1·135
44721*	53	4·493	1·525
44722	9	6·550	1·996
44723	11	9·396	1·537
44724	11	9·938	1·065
44725	13	11·217	1·255
44726	9	11·538	1·753
44727	10	11·942	1·703
44728	10	12·412	1·035
44729	26	12·695	1·286
44730	14	13·313	1·986
44731	10	13·717	1·423
44732	10	17·335	1·244
44733	10	17·880	1·446
44734*	31	18·006	1·215
44735	22	18·023	1·844
44736	10	18·493	1·441
44737	13	18·656	1·317
44738	13	19·982	1·952
44739	14	20·300	1·806
44740	10	20·886	1·675
44741	27	22·397	1·506
44742	20	24·439	1·014
44743*	20	0·331	2·295
44744	10	2·046	2·756
44745	12	3·080	2·600
44746	23	3·372	2·604
44747	13	4·442	2·606
44748	21	7·997	2·159
44749	10	11·920	2·138
44750	10	14·814	2·550
44751	9	15·768	2·713
44752	8	16·711	2·234
44753	9	17·773	2·123
44754	13	18·810	2·649
44755	16	19·627	2·897
44756	18	20·603	2·055
44757	13	20·712	2·066
44758	9	21·426	2·203
44759	9	21·817	2·966
44760	9	22·433	2·806
44761	9	22·697	2·353
44762	12	23·056	2·497
44763	12	23·104	2·757
44764	17	25·604	2·815
44765	13	0·926	3·705
44766	13	2·043	3·434
44767*	30	2·698	3·337
44768	14	3·168	3·794
44769	13	7·302	3·812
44770	11	10·026	3·134
44771	9	11·757	3·137
44772	9	12·815	3·114
44773	9	14·605	3·016
44774	9	15·865	3·137
44775	22	17·495	3·075
44776	9	18·743	3·713
44777	16	18·890	3·113
44778	24	19·804	3·296
44779	13	20·185	3·625
44780	9	20·529	3·488
44781	12	20·667	3·511
44782	12	21·208	3·065
44783	15	22·124	3·164
44784	10	22·157	3·742
44785	19	22·545	3·045
44786	12	23·127	3·405
44787	9	23·362	3·276
44788	19	23·705	3·516
44789	10	24·064	3·566
44790	10	25·712	3·349
44791	10	3·336	4·314
44792	22	3·888	4·465
44793*	33	5·352	4·719
44794	9	7·083	4·494
44795	22	7·231	4·583
44796	14	7·602	4·113
44797	10	8·703	4·105
44798	22	9·235	4·615
44799	10	9·620	4·798
44800	10	9·822	4·450
44801	12	12·470	4·764
44802	14	12·854	4·396
44803*	39	13·135	4·595
44804	10	13·186	4·381
44805	10	13·547	4·184
44806*	31	14·214	4·617
44807	9	14·804	4·330
44808	10	15·853	4·297
44809	11	16·967	4·293
44810	10	17·064	4·176
44811	24	17·097	4·064
44812	9	17·294	4·425
44813	9	17·935	4·489
44814	21	18·621	4·553
44815	15	18·664	4·337
44816	9	18·966	4·831
44817	10	19·805	4·229
44818	15	19·834	4·428
44819	10	20·616	4·624
44820	9	21·325	4·209
44821	9	21·489	4·540
44822	11	21·587	4·686
44823	13	22·842	4·423
44824	14	23·346	4·516
44825*	38	23·447	4·421
44826	10	23·763	4·215
44827	10	24·410	4·451
44828	13	0·093	5·772
44829	18	0·194	5·625
44830	10	0·403	5·352
44831	12	2·565	5·847
44832	14	2·655	5·425
44833	9	4·386	5·706
44834	12	5·461	5·024
44835	12	9·270	5·384
44836	17	9·421	5·945
44837*	30	10·277	5·021
44838	10	10·488	5·488
44839	10	11·447	5·730
44840	10	12·294	5·056
44841	14	13·996	5·104
44842	10	16·385	5·584
44843	14	18·933	5·816
44844	12	20·926	5·055
44845	13	20·968	5·698
44846	10	20·989	5·444
44847	14	21·436	5·615
44848	10	21·561	5·458
44849	14	23·864	5·224
44850	23	24·562	5·999
44851	15	25·382	5·345
44852	10	25·631	5·436
44853	12	0·451	6·901
44854	32	1·237	6·454
44855*	34	2·105	6·484
44856	10	2·122	6·026
44857	18	3·601	6·067
44858	9	3·871	6·083
44859	20	6·899	6·038
44860	22	7·113	6·684
44861	14	7·156	6·270
44862	17	8·175	6·559
44863	14	16·945	6·058
44864	10	17·323	6·084
44865	13	18·299	6·650
44866	24	19·041	6·302
44867	14	19·326	6·989
44868	14	23·250	6·258
44869	15	24·000	6·864
44870	28	25·185	6·018
44871	12	2·473	7·710
44872	12	3·006	7·419
44873	12	3·225	7·435
44874	10	5·485	7·337
44875	11	5·760	7·634
44876	12	8·665	7·043
44877	15	9·085	7·595
44878	14	9·943	7·523
44879	10	11·194	7·187
44880	10	15·929	7·612
44881*	56	20·425	7·986
44882	10	22·385	7·376
44883	12	23·579	7·238
44884	9	24·631	7·391
44885	10	24·654	7·304
44886	10	25·486	7·695
44887	17	2·531	8·723
44888	10	3·865	8·995
44889	14	6·249	8·512
44890	11	6·946	8·204
44891	12	7·015	8·782
44892	15	8·581	8·351
44893	10	8·674	8·998
44894	16	9·125	8·843
44895	19	11·536	8·106
44896	9	11·878	8·023
44897	15	12·975	8·665
44898	10	13·898	8·098
44899	12	14·257	8·104
44900	11	14·463	8·317
44901	10	14·726	8·873
44902	14	19·987	8·474
44903	10	20·098	8·803
44904	11	21·156	8·154
44905	20	21·350	8·906
44906	11	22·956	8·558
44907	12	24·175	8·008
44908	12	25·445	8·286
44909	10	25·481	8·149
44910	14	25·483	8·555
44911	16	0·588	9·247
44912	8	1·457	9·833
44913	13	1·585	9·468
44914	12	2·866	9·835
44915*	36	6·111	9·525
44916	14	9·212	9·200
44917	18	9·346	9·308
44918	12	9·376	9·616
44919	20	9·405	9·024
44920	10	10·873	9·813
44921*	42	18·156	9·585
44922	20	18·223	9·967
44923	10	18·885	9·245
44924	25	19·185	9·584
44925	10	19·351	9·576
44926	11	21·795	9·925
44927	10	22·126	9·194
44928	11	22·656	9·316
44929	13	23·231	9·963
44930	10	23·762	9·718
44931	9	23·775	9·094
44932	10	24·375	9·878
44933	13	25·244	9·025
44934	24	25·534	9·951
44935	20	0·174	10·755
44936	12	1·249	10·716
44937	9	3·824	10·821
44938	15	5·754	10·861
44939	10	6·851	10·224
44940	14	7·346	10·953
44941	18	8·767	10·871
44942	23	12·866	10·651
44943	10	13·638	10·536
44944	12	14·384	10·234
44945	22	14·674	10·724
44946	16	17·945	10·464
44947	30	18·279	10·951
44948	16	20·175	10·495
44949	9	21·926	10·246
44950	10	23·068	10·824
44951*	28	23·248	10·683
44952	10	23·545	10·923
44953	10	25·245	10·614
44954	16	25·818	10·499
44955	10	0·542	11·538
44956	18	5·206	11·212
44957	11	6·083	11·359
44958	17	6·774	11·505
44959	12	7·996	11·509
44960	9	10·174	11·329
44961*	40	11·366	11·108
44962	13	12·680	11·278
44963*	42	12·789	11·948
44964*	42	17·833	11·392
44965	9	18·783	11·656
44966*	34	18·813	11·245
44967	12	18·965	11·141
44968	11	22·026	11·435
44969	12	24·647	11·363
44970	25	1·099	12·676
44971	23	4·155	12·443
44972	27	4·835	12·369
44973	23	7·374	12·585
44974	10	9·674	12·661
44975	14	13·214	12·880
44976	22	15·286	12·012
44977	12	15·476	12·730
44978	11	17·913	12·273

44979	14	18·877	12·104	45053	10	14·034	16·192	45127*	34	15·283	19·450	45201	14	23·501	22·139	45275*	30	18·625	25·122
44980	20	19·424	12·115	45054*	56	14·656	16·035	45128*	43	16·436	19·352	45202	16	23·960	22·891	45276	22	19·675	25·343
44981	18	22·075	12·445	45055*	31	16·377	16·033	45129	10	18·715	19·625	45203	10	23·975	22·875	45277	10	20·225	25·852
44982	26	22·477	12·077	45056	10	17·435	16·007	45130	9	18·927	19·967	45204*	48	0·502	23·516	45278	9	20·230	25·655
44983	9	23·105	12·467	45057	10	18·669	16·694	45131	11	20·505	19·651	45205	10	2·295	23·233	45279	16	20·440	25·348
44984	13	24·884	12·574	45058	20	20·225	16·891	45132	9	21·084	19·035	45206	10	3·924	23·255	45280	21	20·505	25·415
44985	13	25·026	12·536	45059	14	20·726	16·626	45133	13	22·564	19·146	45207	20	9·654	23·345	45281	12	20·677	25·384
44986	10	0·216	13·857	45060	15	20·840	16·205	45134	23	25·014	19·303	45208	12	9·789	23·961	45282	10	20·733	25·046
44987	10	3·485	13·856	45061*	42	21·100	16·440	45135	10	25·883	19·964	45209	14	11·138	23·905	45283	10	22·249	25·873
44988	12	5·620	13·856	45062	14	24·299	16·571	45136	9	1·717	20·833	45210	10	11·300	23·430	45284	13	22·887	25·385
44989	11	6·546	13·154	45063	12	24·400	16·710	45137	15	2·126	20·788	45211	12	11·496	23·504				
44990	19	14·044	13·765	45064	10	25·307	16·455	45138	14	3·185	20·507	45212	9	11·943	23·855				
44991	12	15·089	13·065	45065	9	25·495	16·354	45139	14	4·993	20·593	45213	18	12·355	23·986				
44992	16	16·485	13·096	45066	11	1·177	17·554	45140	10	5·269	20·885	45214	12	13·815	23·914				
44993	14	20·035	13·585	45067	10	3·098	17·469	45141*	19	7·895	20·997	45215	11	14·816	23·755				
44994	9	22·735	13·796	45068*	36	4·335	17·816	45142	10	8·934	20·066	45216	16	16·349	23·763				
44995	12	23·267	13·857	45069*	26	4·728	17·785	45143	10	9·432	20·124	45217	9	18·323	23·977				
44996	10	23·602	13·251	45070	13	6·093	17·772	45144	14	10·745	20·970	45218	13	19·225	23·896				
44997	12	24·235	13·245	45071	10	6·234	17·038	45145	10	12·248	20·143	45219	13	19·237	23·735				
44998	12	24·253	13·341	45072	26	6·573	17·596	45146	19	13·498	20·331	45220	12	19·836	23·463				
44999	20	24·535	13·816	45073	13	6·858	17·893	45147	26	13·855	20·530	45221	10	19·925	23·518				
45000	10	1·385	14·255	45074	10	9·898	17·735	45148	14	14·671	20·436	45222	10	20·544	23·474				
45001	14	1·744	14·276	45075	27	10·570	17·437	45149	20	14·715	20·729	45223	18	20·626	23·545				
45002	14	3·091	14·338	45076	17	16·125	17·987	45150	10	15·019	20·144	45224	11	21·427	23·690				
45003	17	3·355	14·379	45077	13	16·145	17·330	45151	12	15·159	20·245	45225	9	21·935	23·655				
45004	12	8·506	14·215	45078	10	19·097	17·115	45152	21	19·497	20·936	45226	9	22·207	23·103				
45005	23	11·022	14·961	45079	13	21·340	17·735	45153*	58	20·493	20·127	45227	12	2·956	24·183				
45006	11	12·973	14·323	45080	8	21·393	17·196	45154	14	21·260	20·923	45228	14	3·193	24·693				
45007	24	13·591	14·358	45081*	34	22·346	17·185	45155	11	21·732	20·845	45229	10	7·483	24·298				
45008	12	15·670	14·205	45082	8	22·673	17·365	45156	15	23·720	20·725	45230	10	7·645	24·685				
45009	14	18·047	14·591	45083	9	22·916	17·245	45157*	35	24·245	20·032	45231	22	8·816	24·285				
45010	10	21·005	14·503	45084	12	24·716	17·816	45158	10	24·275	20·657	45232	13	12·250	24·745				
45011	12	21·250	14·705	45085	11	25·607	17·105	45159	9	24·657	20·059	45233	18	13·070	24·564				
45012	10	24·545	14·478	45086	19	0·123	18·002	45160	9	25·265	20·125	45234	10	14·250	24·391				
45013	11	25·271	14·123	45087	10	0·912	18·562	45161	10	25·392	20·746	45235	9	14·344	24·683				
45014	15	25·642	14·287	45088	10	1·204	18·126	45162	9	0·116	21·077	45236	16	14·834	24·224				
45015	10	25·780	14·596	45089*	28	6·271	18·782	45163	10	1·814	21·145	45237	10	15·622	24·843				
45016	10	25·858	14·107	45090	10	7·414	18·196	45164	11	2·268	21·986	45238	10	16·610	24·225				
45017	9	0·422	15·753	45091	10	8·122	18·176	45165	12	3·873	21·557	45239	10	17·425	24·147				
45018	12	1·145	15·296	45092	15	9·214	18·932	45166	9	5·066	21·423	45240	18	18·034	24·954				
45019	10	2·225	15·190	45093	10	10·016	18·086	45167	10	5·624	21·556	45241	14	18·405	24·485				
45020	12	4·418	15·238	45094	12	10·945	18·615	45168	20	6·759	21·286	45242	12	18·964	24·573				
45021	10	5·917	15·124	45095	18	11·470	18·160	45169	10	7·475	21·294	45243	10	19·434	24·356				
45022	12	6·160	15·384	45096	12	12·463	18·660	45170	14	11·609	21·246	45244	10	21·382	24·234				
45023*	37	8·375	15·763	45097	10	13·386	18·775	45171	9	12·025	21·224	45245	13	22·480	24·276				
45024	9	9·249	15·975	45098	10	14·062	18·129	45172	16	13·037	21·722	45246	9	22·721	24·224				
45025	22	9·405	15·764	45099	10	15·226	18·184	45173	10	14·324	21·870	45247	14	23·927	24·706				
45026	20	9·425	15·719	45100	10	15·581	18·523	45174	29	14·351	21·206	45248	10	25·820	24·674				
45027	10	11·006	15·284	45101	11	15·955	18·884	45175	13	14·485	21·665	45249*	44	0·466	25·184				
45028*	29	11·742	15·306	45102	13	20·481	18·915	45176	10	14·793	21·339	45250*	22	0·848	25·750				
45029	10	13·227	15·920	45103*	33	20·666	18·394	45177	20	15·196	21·216	45251*	41	1·775	25·356				
45030	10	14·337	15·119	45104	15	21·149	18·645	45178	16	16·539	21·741	45252	14	2·693	25·946				
45031	17	14·753	15·121	45105*	22	21·589	18·037	45179	16	16·965	21·437	45253	13	3·376	25·395				
45032*	15	14·856	15·785	45106	11	22·576	18·745	45180	11	19·936	21·380	45254	10	3·526	25·158				
45033	26	18·314	15·844	45107	12	22·667	18·731	45181	22	20·344	21·327	45255	10	3·567	25·487				
45034	17	18·896	15·443	45108	29	23·011	18·434	45182	12	21·225	21·545	45256	10	4·676	25·656				
45035*	47	18·923	15·574	45109*	24	24·297	18·123	45183	10	22·115	21·925	45257*	57	7·985	25·090				
45036	10	19·993	15·954	45110	12	25·512	18·349	45184	9	22·322	21·310	45258	10	8·685	25·790				
45037	14	20·615	15·084	45111	20	0·826	19·556	45185	9	24·092	21·916	45259	23	9·354	25·785				
45038	10	23·753	15·229	45112*	24	1·644	19·006	45186	19	6·964	22·401	45260	12	9·559	25·115				
45039	11	23·825	15·413	45113	13	4·137	19·793	45187	8	7·014	22·374	45261	16	10·573	25·292				
45040	13	24·075	15·625	45114	21	4·467	19·883	45188	10	10·255	22·292	45262	25	10·653	25·228				
45041	12	24·564	15·805	45115	10	5·537	19·366	45189	12	11·655	22·803	45263	16	11·556	25·967				
45042*	41	0·039	16·246	45116	9	5·604	19·365	45190	10	12·150	22·271	45264	11	12·145	25·151				
45043	10	0·171	16·353	45117*	49	5·916	19·558	45191	29	13·750	22·290	45265	18	12·146	25·379				
45044	10	0·414	16·107	45118*	32	7·056	19·665	45192	29	13·804	22·876	45266	18	12·952	25·873				
45045	8	1·464	16·924	45119	10	8·671	19·228	45193	9	13·912	22·155	45267	33	13·056	25·257				
45046	12	2·075	16·218	45120	21	10·474	19·386	45194	9	14·763	22·715	45268	12	13·107	25·524				
45047	10	3·491	16·015	45121	12	11·284	19·585	45195	10	17·514	22·606	45269	10	14·816	25·172				
45048	12	3·540	16·224	45122	14	12·096	19·904	45196	16	18·676	22·079	45270	15	14·956	25·324				
45049	12	4·844	16·123	45123	13	12·897	19·529	45197	10	19·516	22·576	45271	10	15·187	25·004				
45050	14	7·936	16·934	45124	14	13·647	19·859	45198	9	20·058	22·926	45272	9	17·010	25·962				
45051	15	9·104	16·424	45125	12	14·787	19·212	45199	21	21·053	22·293	45273	10	17·524	25·737				
45052	9	11·298	16·434	45126	10	15·245	19·380	45200	13	21·174	22·741	45274	12	18·205	25·810				

R. A. 19h 7m

Plate 1605 ; 1900 Sept. 17.

Provisional Constants.

A	B	C
−·00056	+·00663	−·7357
D	**E**	**F**
−·00669	−·00032	+·0055

Mag. = 17·2 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
45301	56	0·257	0·141
45302	20	5·719	0·022
45303	18	6·429	0·568
45304	19	7·342	0·296
45305	19	8·135	0·018
45306	31	9·237	0·583
45307	21	9·569	0·921
45308	21	11·888	0·090
45309	18	12·854	0·524
45310*	33	13·205	0·744
45311*	31	13·402	0·332
45312	15	16·284	0·232
45313	21	16·861	0·349
45314	20	17·153	0·731
45315	12	21·017	0·899
45316	13	24·054	0·425
45317	20	24·966	0·399
45318	43	0·980	1·054
45319	24	4·295	1·576
45320	17	5·646	1·570
45321	17	8·982	1·274
45322*	36	14·608	1·071
45323	12	15·654	1·157
45324*	32	16·169	1·146
45325	16	17·033	1·903
45326	20	17·578	1·583
45327	13	17·977	1·638
45328	22	19·697	1·355
45329	26	19·831	1·652
45330	11	19·958	1·465
45331	20	20·411	1·263
45332	29	20·612	1·798
45333	15	22·851	1·469
45334	14	25·046	1·265
45335	14	25·965	1·871
45336	33	2·181	2·829
45337*	50	3·570	2·144
45338	20	4·422	2·262
45339	14	6·456	2·444
45340*	50	7·050	2·659
45341	21	8·267	2·372

45342	28	10·769	2·363	45416*	62	8·466	5·811	45490*	25	5·202	8·606	45564	13	9·221	12·563	45638	21	20·048	15·773
45343	39	11·701	2·051	45417	19	9·577	5·180	45491	17	5·424	8·885	45565*	40	12·061	12·004	45639	22	20·124	15·786
45344	23	11·713	2·524	45418	17	11·011	5·138	45492	22	5·605	8·323	45566*	37	12·135	12·923	45640	13	22·103	15·868
45345	19	12·992	2·812	45419	20	11·188	5·131	45493*	28	6·693	8·987	45567	33	13·037	12·705	45641	13	23·083	15·348
45346	20	14·528	2·704	45420	27	12·176	5·607	45494	23	7·985	8·215	45568	30	16·447	12·972	45642	21	23·869	15·917
45347	40	15·982	2·473	45421	16	12·676	5·081	45495	18	8·908	8·457	45569	22	16·643	12·678	45643	11	23·952	15·465
45348	30	15·992	2·927	45422	12	12·704	5·179	45496	27	13·542	8·251	45570	24	16·755	12·961	45644	21	25·744	15·370
45349	22	16·240	2·291	45423	21	13·400	5·849	45497	32	13·854	8·119	45571	18	18·529	12·274	45645	25	1·186	16·609
45350	22	16·379	2·372	45424	14	14·076	5·085	45498	20	18·423	8·382	45572	13	23·378	12·031	45646	21	1·292	16·748
45351	28	17·587	2·240	45425	23	14·693	5·681	45499	12	18·741	8·290	45573	12	23·805	12·165	45647	17	2·192	16·469
45352	15	17·640	2·067	45426	10	15·122	5·822	45500	20	19·834	8·461	45574	20	23·911	12·749	45648	14	4·594	16·878
45353	28	17·912	2·645	45427	25	16·370	5·818	45501	18	21·859	8·396	45575	20	24·381	12·844	45649	14	6·041	16·614
45354	20	18·398	2·523	45428	15	17·619	5·231	45502	22	22·830	8·258	45576	29	24·832	12·383	45650	12	8·871	16·667
45355	20	18·438	2·450	45429	22	18·194	5·307	45503	12	23·230	8·094	45577	14	25·453	12·268	45651	15	9·790	16·834
45356	10	19·060	2·167	45430	20	19·132	5·871	45504	13	24·222	8·579	45578	20	25·608	12·766	45652	32	14·121	16·987
45357	25	19·853	2·627	45431	16	20·283	5·382	45505	21	25·314	8·958	45579	30	0·095	13·922	45653	23	14·302	16·489
45358	10	21·967	2·033	45432	11	20·794	5·970	45506	21	1·962	9·043	45580	21	0·412	13·307	45654*	41	14·443	16·548
45359	21	22·831	2·123	45433	12	22·071	5·660	45507	32	2·272	9·968	45581	20	1·048	13·284	45655	12	14·447	16·715
45360	20	23·942	2·744	45434*	44	24·014	5·120	45508	18	5·496	9·270	45582	24	1·067	13·380	45656	30	16·360	16·869
45361	22	24·647	2·969	45435	33	0·669	6·913	45509	20	5·922	9·808	45583	34	1·360	13·853	45657	20	18·845	16·409
45362	20	25·921	2·942	45436	37	1·212	6·036	45510*	24	6·153	9·498	45584	10	4·013	13·050	45658	19	19·204	16·859
45363	41	0·299	3·572	45437	42	1·835	6·040	45511	10	6·879	9·077	45585	10	4·948	13·484	45659	11	20·273	16·993
45364	15	7·411	3·977	45438	35	2·679	6·232	45512	13	7·069	9·102	45586	10	5·906	13·673	45660	21	22·111	16·848
45365	19	7·944	3·073	45439	12	3·010	6·764	45513*	42	7·127	9·725	45587	19	8·364	13·490	45661	17	23·049	16·682
45366*	23	8·901	3·191	45440	15	3·709	6·273	45514	15	9·031	9·102	45588	18	8·854	13·676	45662	20	23·364	16·701
45367	10	8·929	3·806	45441*	34	5·120	6·638	45515	28	9·082	9·922	45589	19	11·755	13·870	45663	23	25·668	16·342
45368	15	10·316	3·744	45442	20	7·551	6·507	45516	18	9·340	9·330	45590	17	12·493	13·734	45664	22	1·632	17·849
45369	24	10·860	3·071	45443	12	8·912	6·941	45517	20	12·708	9·503	45591	17	18·362	13·562	45665	16	2·507	17·113
45370*	31	10·912	3·135	45444	20	11·642	6·412	45518	23	13·778	9·506	45592	15	21·095	13·559	45666	20	3·910	17·363
45371*	23	11·032	3·391	45445	20	11·869	6·299	45519	22	18·323	9·343	45593	13	22·178	13·256	45667	12	4·659	17·375
45372	25	12·755	3·121	45446	20	12·960	6·749	45520	34	19·259	9·802	45594	13	22·454	13·622	45668	13	6·869	17·651
45373	27	14·881	3·701	45447	20	15·607	6·874	45521	17	19·877	9·038	45595	28	23·869	13·473	45669	31	7·496	17·814
45374	15	15·151	3·678	45448	21	15·700	6·243	45522	18	23·827	9·600	45596	13	24·573	13·813	45670	16	7·759	17·348
45375	20	16·032	3·556	45449	20	16·281	6·119	45523*	33	25·229	9·578	45597	11	25·466	13·000	45671	12	9·054	17·973
45376	27	16·168	3·079	45450*	43	17·372	6·091	45524*	51	0·001	10·748	45598	37	25·491	13·679	45672	21	10·218	17·546
45377*	49	16·193	3·057	45451	19	22·077	6·673	45525	22	2·568	10·508	45599	19	2·102	14·138	45673	16	11·582	17·151
45378	19	17·486	3·191	45452	19	23·553	6·778	45526	21	2·890	10·269	45600	21	2·476	14·298	45674	18	12·331	17·082
45379	17	21·218	3·859	45453	18	25·271	6·098	45527	19	3·195	10·473	45601	15	2·623	14·603	45675	31	13·192	17·765
45380*	49	21·258	3·028	45454	25	0·256	7·295	45528	15	3·481	10·239	45602	13	3·378	14·053	45676	25	16·972	17·833
45381	14	21·963	3·251	45455	15	2·174	7·710	45529	16	9·000	10·420	45603	10	3·800	14·210	45677	21	17·391	17·794
45382	11	23·221	3·903	45456*	33	4·317	7·182	45530	12	9·341	10·996	45604	18	4·245	14·221	45678	33	17·851	17·638
45383	13	25·234	3·951	45457	22	4·439	7·824	45531	21	10·461	10·489	45605	25	4·822	14·418	45679	16	18·534	17·604
45384*	62	0·063	4·483	45458	14	7·157	7·249	45532*	39	17·710	10·893	45606	14	6·496	14·668	45680	10	19·507	17·397
45385	31	0·961	4·557	45459	15	7·450	7·105	45533	18	25·401	10·903	45607	12	6·663	14·096	45681	11	22·392	17·091
45386	22	3·532	4·943	45460	12	7·531	7·979	45534	20	1·418	11·397	45608	23	11·423	14·486	45682	14	22·432	17·962
45387	23	6·978	4·844	45461	12	8·371	7·754	45535	15	3·252	11·728	45609	19	11·463	14·545	45683	21	25·210	17·058
45388	14	6·671	4·954	45462	20	9·784	7·488	45536	18	6·012	11·776	45610*	54	12·224	14·799	45684*	38	1·219	18·160
45389*	38	7·831	4·251	45463	30	10·476	7·476	45537	20	8·533	11·325	45611*	38	12·370	14·554	45685	21	2·438	18·362
45390	20	12·075	4·755	45464	22	10·756	7·455	45538	24	10·648	11·216	45612	21	12·698	14·464	45686	22	2·991	18·112
45391	22	13·088	4·315	45465	30	10·792	7·702	45539	29	10·764	11·092	45613	18	13·722	14·580	45687	23	4·024	18·372
45392	25	13·109	4·832	45466	31	12·577	7·249	45540	19	10·799	11·705	45614*	81	14·745	14·303	45688	19	4·849	18·816
45393	18	13·350	4·260	45467	32	13·173	7·389	45541	19	13·661	11·289	45615	21	15·699	14·117	45689	21	6·329	18·968
45394	20	14·125	4·379	45468	21	13·581	7·489	45542	23	14·554	11·040	45616	30	16·267	14·599	45690	18	8·241	18·269
45395	14	15·736	4·404	45469	23	16·410	7·824	45543	22	15·150	11·636	45617	28	16·572	14·589	45691	15	9·133	18·000
45396	11	15·762	4·329	45470	17	18·041	7·293	45544	18	19·160	11·302	45618	18	19·311	14·570	45692	15	10·299	18·540
45397	21	16·639	4·532	45471	15	18·264	7·060	45545	21	19·259	11·634	45619	21	25·520	14·019	45693*	53	12·225	18·570
45398	16	18·687	4·072	45472*	29	19·098	7·429	45546	16	21·132	11·571	45620	21	0·608	15·281	45694	23	13·852	18·032
45399	12	19·416	4·951	45473	18	19·478	7·608	45547	26	21·801	11·912	45621	22	0·685	15·463	45695	22	15·459	18·343
45400	20	19·753	4·669	45474	17	20·852	7·800	45548	21	21·908	11·491	45622	24	0·942	15·670	45696	19	16·762	18·750
45401	15	22·377	4·214	45475	20	21·394	7·797	45549	11	22·500	11·896	45623	21	1·434	15·838	45697	24	18·435	18·048
45402	15	23·611	4·764	45476	22	22·459	7·635	45550	22	22·774	11·421	45624	18	3·057	15·574	45698	11	22·072	18·266
45403	32	23·820	4·412	45477	21	23·094	7·097	45551	20	23·026	11·348	45625	13	4·201	15·327	45699	13	22·096	18·245
45404	18	24·012	4·289	45478	19	23·288	7·031	45552	18	24·155	11·552	45626	10	4·664	15·548	45700	15	24·832	18·583
45405	19	25·890	4·510	45479	12	24·118	7·972	45553	17	24·992	11·307	45627	13	6·336	15·389	45701	24	25·366	18·223
45406	30	0·497	5·273	45480	14	24·391	7·742	45554	13	25·135	11·031	45628	18	7·198	15·721	45702	47	25·571	18·251
45407	25	2·016	5·363	45481	29	24·653	7·143	45555	45	25·433	11·241	45629	13	8·461	15·984	45703	34	1·965	19·324
45408	18	3·590	5·173	45482	15	25·478	7·283	45556	12	25·623	11·228	45630	24	11·444	15·000	45704	20	4·108	19·132
45409	13	4·735	5·539	45483	22	25·712	7·556	45557	20	1·682	12·600	45631	14	12·198	15·671	45705	12	4·550	19·360
45410	20	4·737	5·000	45484	26	0·871	8·051	45558	20	1·824	12·562	45632	15	12·632	15·248	45706	21	4·682	19·453
45411*	32	5·239	5·326	45485	19	2·144	8·303	45559	21	4·008	12·146	45633	30	12·749	15·469	45707	21	5·720	19·860
45412	19	5·410	5·979	45486	14	2·178	8·166	45560	21	4·452	12·387	45634	19	14·026	15·927	45708	11	5·735	19·849
45413	24	5·758	5·497	45487	18	2·188	8·571	45561	16	4·742	12·785	45635	15	16·138	15·415	45709	21	7·841	19·492
45414	13	5·833	5·538	45488	25	3·118	8·683	45562*	33	5·158	12·211	45636	31	18·262	15·934	45710	14	8·675	19·543
45415	15	7·157	5·682	45489*	22	5·169	8·602	45563	17	6·169	12·892	45637	20	19·188	15·642	45711	20	10·715	19·650

45712	15	11·865	19·972
45713	12	11·901	19·340
45714	30	12·191	19·892
45715	14	12·689	19·721
45716	30	13·951	19·300
45717	21	14·652	19·845
45718	11	15·020	19·893
45719	23	15·861	19·342
45720	25	17·346	19·171
45721	21	18·789	19·739
45722	21	18·913	19·038
45723	18	19·323	19·971
45724	16	21·074	19·591
45725	18	22·949	19·791
45726	20	23·931	19·057
45727	26	25·236	19·736
45728	25	25·610	19·690
45729	22	25·939	19·436
45730	34	0·701	20·779
45731*	52	1·210	20·072
45732	20	1·252	20·699
45733	19	2·372	20·761
45734	20	3·573	20·230
45735	25	3·729	20·479
45736	18	4·205	20·289
45737	12	4·725	20·940
45738	25	4·758	20·666
45739	21	5·151	20·741
45740	12	6·543	20·762
45741	25	7·468	20·500
45742	13	8·154	20·688
45743	10	8·228	20·618
45744	10	8·429	20·913
45745	14	9·470	20·902
45746	25	9·555	20·082
45747	18	10·704	20·386
45748	21	11·672	20·020
45749	21	12·334	20·036
45750	15	13·981	20·670
45751	20	15·215	20·204
45752	12	18·578	20·291
45753	13	19·548	20·415
45754	19	20·853	20·892
45755	12	22·178	20·001
45756	18	22·332	20·098
45757	19	22·592	20·197
45758	20	24·079	20·852
45759	33	25·882	20·961
45760	22	3·177	21·183
45761	13	4·244	21·056
45762	18	4·291	21·143
45763	18	4·879	21·308
45764	14	6·225	21·122
45765	22	8·177	21·337
45766	19	9·404	21·665
45767	12	10·405	21·498
45768	18	13·618	21·079
45769	11	13·920	21·599
45770	14	17·282	21·472
45771	22	17·379	21·599
45772	18	18·226	21·471
45773	19	18·589	21·827
45774	15	20·217	21·377
45775*	29	20·702	21·544
45776	17	22·075	21·860
45777*	49	22·654	21·120
45778	21	23·941	21·535
45779	20	24·730	21·749
45780	31	0·513	22·194
45781	39	0·994	22·934
45782	21	1·021	22·570
45783	20	3·778	22·097
45784	29	4·457	22·247
45785	26	4·649	22·842

45786	18	4·928	22·306
45787*	31	5·132	22·444
45788	20	7·849	22·214
45789	20	10·022	22·812
45790	18	12·442	22·954
45791	18	14·535	22·291
45792	13	14·560	22·382
45793	12	15·554	22·818
45794	24	16·250	22·967
45795	18	16·362	22·741
45796	23	16·773	22·004
45797	12	16·864	22·634
45798	21	17·326	22·256
45799	15	17·964	22·769
45800	17	18·639	22·722
45801	14	19·429	22·160
45802	10	19·520	22·016
45803	22	22·500	22·250
45804	17	25·358	22·924
45805	23	2·479	23·432
45806	10	6·564	23·371
45807*	35	6·574	23·796
45808	19	6·582	23·934
45809	23	6·928	23·972
45810	12	7·171	23·106
45811	14	9·314	23·519
45812	11	9·670	23·400
45813	20	10·058	23·150
45814*	41	10·850	23·522
45815	13	11·733	23·652
45816	12	12·967	23·840
45817	25	14·088	23·463
45818	20	14·260	23·872
45819	19	17·221	23·813
45820	12	17·431	23·071
45821	19	18·300	23·181
45822	12	20·452	23·356
45823	11	20·492	23·869
45824	14	22·051	23·210
45825	21	22·626	23·934
45826	14	24·576	23·094
45827	32	1·000	24·755
45828	22	2·891	24·676
45829	21	3·302	24·169
45830	20	4·344	24·762
45831	20	4·714	24·102
45832	20	4·738	24·333
45833	20	5·335	24·407
45834	18	6·013	24·664
45835	18	6·444	24·826
45836	17	7·613	24·238
45837	20	7·681	24·393
45838	25	7·712	24·237
45839	13	9·127	24·580
45840	10	9·429	24·898
45841	20	10·317	24·149
45842	15	10·622	24·368
45843	26	11·669	24·256
45844	14	12·328	24·333
45845*	29	12·346	24·343
45846	13	12·948	24·658
45847	19	13·250	24·805
45848	11	15·201	24·434
45849	19	15·928	24·146
45850*	25	16·249	24·991
45851	10	16·338	24·689
45852	33	17·409	24·027
45853*	32	17·673	24·726
45854	10	18·324	24·000
45855	19	18·979	24·159
45856	21	20·066	24·337
45857	14	20·671	24·076
45858	15	21·563	24·252
45859	20	22·323	24·274

45860	22	23·053	24·941
45861	20	23·802	24·799
45862	20	24·683	24·449
45863	21	5·475	25·180
45864	23	5·622	25·436
45865	31	6·036	25·960
45866	18	6·115	25·693
45867*	39	11·968	25·763
45868	12	12·322	25·058
45869	10	13·724	25·109
45870	18	13·775	25·363
45871	34	14·766	25·354
45872	21	14·903	25·797
45873	12	15·072	25·464
45874	50	16·137	25·912
45875	13	16·736	25·008
45876	12	18·073	25·648
45877	20	18·284	25·373
45878	20	19·687	25·458
45879	18	19·933	25·746
45880	17	20·512	25·718
45881	13	21·058	25·252
45882	12	21·752	25·341
45883	27	23·607	25·739
45884	41	25·419	25·625

R. A. 19h 16m

Plate 1999; 1902 July 11.

Provisional Constants.

A	B	C
−·00051	+·00954	−·7759
D	E	F
−·00939	−·00039	−·2878

Mag. = 16·5 − 1·36$\sqrt{d}$

No.	*d*	*x*	*y*
45901	18	0·625	0·284
45902	17	1·534	0·193
45903	22	1·536	0·237
45904*	37	3·098	0·836
45905	10	3·651	0·901
45906	10	3·831	0·510
45907	13	4·247	0·065
45908	12	4·504	0·407
45909	13	5·011	0·961
45910	21	5·049	0·332
45911	11	6·113	0·106
45912	18	6·239	0·470
45913	10	8·601	0·622
45914	12	9·353	0·130
45915	15	9·858	0·594
45916	10	10·700	0·870
45917	11	10·820	0·757
45918	10	10·878	0·648
45919	10	11·725	0·316
45920	13	12·215	0·002
45921	10	12·325	0·400
45922	11	12·637	0·435
45923	12	12·900	0·421
45924	10	12·921	0·527
45925	10	13·785	0·261
45926	10	13·850	0·211

45927	20	13·880	0·812
45928*	21	14·395	0·714
45929	10	14·615	0·218
45930	11	14·752	0·243
45931	10	15·135	0·607
45932	11	15·150	0·903
45933	11	15·446	0·713
45934	10	15·825	0·521
45935	12	16·390	0·682
45936*	31	16·425	0·738
45937	10	16·600	0·972
45938	11	16·630	0·622
45939	10	16·735	0·485
45940	11	16·995	0·878
45941	12	17·279	0·235
45942	11	17·808	0·613
45943	10	17·870	0·371
45944	13	18·687	0·830
45945	10	18·751	0·840
45946	10	19·156	0·176
45947	13	19·191	0·694
45948	12	20·745	0·181
45949	10	20·986	0·450
45950	12	22·800	0·086
45951	10	22·931	0·277
45952	11	23·971	0·286
45953	11	24·735	0·569
45954	22	24·882	0·226
45955	13	25·145	0·774
45956	10	25·199	0·004
45957	12	25·636	0·625
45958	14	25·927	0·984
45959	19	1·642	1·104
45960	18	2·571	1·688
45961	16	3·957	1·303
45962	11	4·576	1·054
45963	10	6·729	1·923
45964	10	7·400	1·381
45965	10	9·400	1·530
45966*	22	10·034	1·330
45967	10	10·180	1·741
45968	10	10·645	1·347
45969	11	10·805	1·021
45970	11	10·827	1·077
45971	10	11·228	1·531
45972	11	11·419	1·682
45973	12	11·760	1·314
45974	10	12·645	1·139
45975	12	13·221	1·981
45976	9	13·233	1·892
45977	10	14·000	1·280
45978	10	14·045	1·275
45979*	22	14·605	1·424
45980	12	15·106	1·118
45981	10	15·178	1·993
45982	10	15·265	1·565
45983	10	15·584	1·150
45984	21	15·776	1·375
45985	10	15·934	1·046
45986	16	16·230	1·409
45987	13	16·611	1·750
45988	10	16·638	1·910
45989*	42	16·720	1·869
45990	13	17·242	1·964
45991	12	17·918	1·907
45992	10	17·930	1·200
45993	14	18·130	1·758
45994	10	18·151	1·468
45995	11	18·364	1·448
45996	10	18·626	1·051
45997	10	18·630	1·245
45998	10	18·980	1·476
45999	10	19·455	1·029
46000*	41	19·672	1·491

46001	10	19·775	1·934
46002	10	21·409	1·432
46003	10	22·093	1·275
46004	12	22·130	1·315
46005	10	22·715	1·268
46006*	18	23·104	1·433
46007	11	23·362	1·750
46008	10	23·876	1·333
46009	10	23·985	1·354
46010	10	25·776	1·390
46011	32	0·570	2·608
46012	27	1·279	2·815
46013	13	1·334	2·268
46014	20	2·551	2·760
46015	16	2·618	2·267
46016	19	2·633	2·371
46017	22	2·895	2·160
46018	23	3·445	2·030
46019	14	4·241	2·388
46020	11	4·386	2·161
46021	22	4·411	2·956
46022	10	5·240	2·231
46023	12	5·431	2·709
46024	12	5·486	2·657
46025	12	5·878	2·785
46026	13	5·979	2·282
46027	12	6·255	2·193
46028	10	6·421	2·118
46029	10	7·306	2·963
46030	10	8·580	2·695
46031	12	8·795	2·838
46032	12	9·179	2·526
46033	12	9·249	2·662
46034	10	9·364	2·550
46035	20	9·817	2·972
46036	13	10·088	2·086
46037	11	10·610	2·126
46038	13	10·611	2·553
46039	10	11·236	2·763
46040	10	12·181	2·289
46041	20	12·796	2·037
46042	20	13·514	2·301
46043	10	13·761	2·211
46044	10	14·576	2·230
46045	10	14·797	2·558
46046	10	14·965	2·939
46047	10	15·100	2·980
46048	11	15·623	2·675
46049	20	15·768	2·368
46050	12	16·415	2·773
46051	10	16·479	2·729
46052	10	16·520	2·031
46053	10	16·603	2·588
46054*	40	16·738	2·659
46055	11	16·750	2·522
46056	10	17·273	2·965
46057	12	17·851	2·416
46058	10	19·308	2·813
46059	11	20·084	2·126
46060	12	20·455	2·867
46061	12	20·472	2·515
46062	10	20·769	2·999
46063	10	21·600	2·500
46064	10	21·986	2·759
46065	10	22·116	2·975
46066	10	23·079	2·463
46067	10	23·380	2·721
46068	20	23·515	2·753
46069	13	23·765	2·198
46070	12	24·076	2·471
46071	12	24·145	2·280
46072	10	24·297	2·768
46073	13	25·607	2·730
46074	12	1·890	3·782

46075	12	2·848	3·570	46149	18	11·531	4·963	46223	13	16·468	5·240	46297	14	1·630	7·296	46371	13	16·815	8·018
46076	21	2·980	3·566	46150	10	11·850	4·959	46224	10	17·188	5·492	46298	18	2·210	7·109	46372	10	16·884	8·563
46077	13	3·295	3·305	46151	15	12·430	4·741	46225	12	17·800	5·913	46299	22	2·450	7·377	46373	10	17·572	8·273
46078	10	3·760	3·317	46152	12	12·541	4·208	46226	16	18·410	5·513	46300	10	3·388	7·755	46374	10	17·615	8·264
46079	11	4·367	3·675	46153	10	13·365	4·374	46227	11	18·984	5·000	46301	10	3·446	7·607	46375	10	17·907	8·056
46080	22	4·513	3·874	46154	11	13·545	4·616	46228	13	19·119	5·983	46302	11	4·589	7·702	46376	10	20·300	8·157
46081	10	4·571	3·245	46155	10	14·200	4·270	46229	17	19·510	5·086	46303	10	4·617	7·979	46377	12	20·688	8·238
46082	21	4·833	3·250	46156	12	15·075	4·189	46230	14	19·825	5·199	46304	16	5·080	7·600	46378	18	21·780	8·761
46083	13	6·063	3·480	46157	10	15·287	4·122	46231	10	20·015	5·105	46305	10	5·274	7·261	46379	10	21·862	8·667
46084	19	6·555	3·279	46158	12	15·998	4·837	46232	11	21·320	5·216	46306	10	6·050	7·847	46380	10	22·045	8·809
46085	12	6·841	3·225	46159	10	16·691	4·623	46233	10	21·380	5·245	46307	11	6·331	7·198	46381	10	22·249	8·622
46086	10	7·856	3·532	46160	10	17·110	4·265	46234	10	21·600	5·512	46308	12	7·958	7·692	46382	15	22·856	8·066
46087	10	7·983	3·998	46161	20	17·121	4·633	46235	13	21·863	5·117	46309	10	8·427	7·918	46383	10	23·750	8·539
46088	10	8·799	3·452	46162	11	17·347	4·260	46236	11	21·988	5·932	46310	10	8·660	7·015	46384	10	24·245	8·629
46089	10	9·004	3·487	46163	10	17·620	4·901	46237	12	22·660	5·984	46311	13	9·221	7·060	46385	12	24·887	8·717
46090	15	10·200	3·589	46164	10	17·741	4·647	46238	10	22·719	5·602	46312	11	9·245	7·709	46386	10	25·076	8·120
46091	20	10·221	3·918	46165	10	17·831	4·571	46239*	19	23·150	5·940	46313	10	9·568	7·420	46387	10	25·093	8·773
46092	11	10·401	3·397	46166	11	18·451	4·232	46240	10	25·034	5·251	46314	10	9·588	7·461	46388	10	25·582	8·944
46093	20	10·470	3·675	46167	10	18·550	4·362	46241	15	0·014	6·907	46315	11	9·985	7·677	46389	10	25·584	8·925
46094	12	10·536	3·459	46168	10	18·586	4·043	46242	17	0·115	6·363	46316	20	11·371	7·011	46390	10	25·734	8·257
46095	11	11·725	3·816	46169	10	19·006	4·092	46243	33	0·271	6·645	46317	10	11·530	7·263	46391	12	0·099	9·895
46096	16	11·780	3·561	46170	13	20·125	4·415	46244	18	0·383	6·658	46318	10	11·567	7·096	46392	22	0·613	9·462
46097	13	11·797	3·216	46171	12	21·312	4·831	46245	39	1·385	6·991	46319	11	12·068	7·302	46393	12	1·515	9·162
46098	10	12·294	3·413	46172	10	21·447	4·853	46246	11	2·601	6·313	46320	10	12·748	7·720	46394*	44	2·016	9·410
46099	10	13·210	3·706	46173	10	21·578	4·317	46247	20	3·101	6·450	46321	11	14·675	7·730	46395*	31	3·454	9·542
46100	25	14·219	3·390	46174	10	21·888	4·252	46248	15	4·580	6·005	46322	12	14·710	7·843	46396	12	3·995	9·985
46101	10	14·541	3·774	46175	10	21·995	4·716	46249	11	4·656	6·953	46323	10	15·118	7·115	46397	12	4·299	9·969
46102	10	14·648	3·996	46176	10	22·025	4·508	46250	10	4·740	6·049	46324	10	15·520	7·501	46398	22	4·356	9·425
46103	10	14·905	3·747	46177	10	22·606	4·714	46251	11	4·858	6·598	46325	12	17·206	7·722	46399	10	4·658	9·873
46104	11	15·275	3·192	46178	10	23·154	4·748	46252	11	5·193	6·229	46326	12	17·337	7·869	46400	10	5·265	9·162
46105	13	15·478	3·630	46179	13	23·186	4·069	46253	12	5·381	6·817	46327	11	17·730	7·731	46401	11	6·291	9·138
46106	12	15·495	3·515	46180	10	23·958	4·018	46254	10	5·505	6·356	46328	15	17·795	7·252	46402	10	6·463	9·665
46107	10	15·946	3·395	46181	10	24·125	4·744	46255	10	5·551	6·857	46329	10	18·507	7·611	46403	10	7·148	9·580
46108	10	16·150	3·509	46182	10	24·350	4·043	46256	10	5·620	6·409	46330	10	19·795	7·557	46404	11	9·116	9·892
46109	10	16·891	3·423	46183	12	24·646	4·307	46257	10	6·330	6·916	46331	12	19·870	7·246	46405*	32	9·380	9·600
46110	10	17·265	3·692	46184	10	24·910	4·502	46258	10	6·985	6·843	46332	10	19·915	7·960	46406*	25	9·882	9·267
46111	10	17·386	3·193	46185	12	25·485	4·196	46259	10	7·116	6·277	46333	11	20·465	7·540	46407	12	10·656	9·729
46112	20	17·949	3·505	46186	19	25·573	4·840	46260	17	7·648	6·590	46334	10	20·616	7·857	46408	20	11·075	9·077
46113*	30	18·661	3·364	46187	10	25·736	4·360	46261	10	9·300	6·950	46335	12	20·645	7·221	46409	13	14·674	9·126
46114	13	19·570	3·064	46188	13	0·128	5·719	46262	13	12·446	6·118	46336	11	20·780	7·647	46410	10	15·250	9·137
46115	11	19·860	3·793	46189	13	1·512	5·219	46263	10	13·538	6·153	46337	10	21·251	7·082	46411	10	17·243	9·489
46116	12	19·893	3·162	46190	11	1·884	5·302	46264	10	14·664	6·439	46338	10	22·213	7·462	46412	20	18·275	9·092
46117	10	20·335	3·932	46191	15	1·980	5·931	46265	13	14·768	6·159	46339	10	23·571	7·293	46413	12	18·330	9·079
46118	18	20·716	3·417	46192	10	3·389	5·925	46266	12	14·802	6·838	46340	19	23·804	7·077	46414	12	18·776	9·365
46119	10	20·933	3·458	46193	10	3·751	5·656	46267	10	15·318	6·097	46341	19	24·061	7·934	46415	10	18·925	9·808
46120	10	21·088	3·789	46194	22	3·766	5·768	46268	12	15·339	6·920	46342	10	25·136	7·587	46416	12	20·200	9·871
46121	10	21·829	3·117	46195	12	5·236	5·619	46269	10	15·564	6·222	46343	11	25·150	7·795	46417	10	21·270	9·151
46122	17	23·331	3·797	46196	11	5·529	5·277	46270	19	16·438	6·545	46344	13	25·610	7·550	46418	10	22·031	9·887
46123	10	24·335	3·538	46197	16	5·636	5·791	46271	10	17·055	6·001	46345	11	25·948	7·726	46419	10	22·473	9·177
46124	10	24·671	3·094	46198	12	5·899	5·641	46272	10	17·689	6·195	46346	17	0·368	8·328	46420	11	23·904	9·398
46125	12	24·875	3·637	46199	10	5·961	5·849	46273	20	17·759	6·081	46347	13	0·498	8·367	46421	12	24·142	9·772
46126	22	25·289	3·827	46200	10	6·170	5·206	46274	12	17·807	6·159	46348	18	0·984	8·434	46422	11	24·495	9·855
46127	12	25·663	3·439	46201	11	6·658	5·160	46275	18	19·895	6·636	46349	12	1·819	8·245	46423	13	25·345	9·551
46128	17	0·105	4·759	46202	11	6·699	5·168	46276	10	20·135	6·489	46350	22	2·085	8·785	46424	13	25·356	9·246
46129	21	0·285	4·634	46203	10	7·037	5·050	46277	11	20·441	6·637	46351	11	2·298	8·959	46425	11	25·503	9·797
46130	30	0·487	4·277	46204	20	7·816	5·492	46278	10	20·548	6·979	46352	12	2·670	8·463	46426	14	0·086	10·045
46131	21	0·677	4·149	46205	10	9·052	5·129	46279	10	20·801	6·614	46353	10	2·719	8·291	46427	15	0·558	10·511
46132*	61	0·700	4·981	46206	10	9·368	5·043	46280	10	20·985	6·357	46354	12	3·150	8·742	46428	13	0·812	10·032
46133	19	2·560	4·328	46207	10	10·195	5·898	46281	10	21·047	6·093	46355	10	4·114	8·702	46429	21	1·955	10·866
46134	15	3·170	4·590	46208	10	10·981	5·786	46282	10	21·217	6·920	46356	10	7·144	8·473	46430	21	2·217	10·732
46135	13	3·470	4·375	46209	10	11·948	5·759	46283	12	21·271	6·545	46357	10	7·913	8·876	46431	11	3·411	10·637
46136	19	3·987	4·225	46210	10	12·040	5·508	46284	10	21·863	6·961	46358	11	8·520	8·630	46432	10	3·730	10·109
46137	10	4·324	4·864	46211	13	12·508	5·618	46285	12	22·095	6·968	46359	12	8·521	8·072	46433	10	3·983	10·614
46138	11	4·394	4·682	46212	10	13·219	5·318	46286	10	22·983	6·013	46360	10	8·834	8·641	46434	12	3·992	10·139
46139	21	5·425	4·971	46213	10	13·525	5·166	46287	10	23·539	6·921	46361	11	9·920	8·493	46435	15	5·432	10·615
46140	10	7·044	4·142	46214	10	14·020	5·417	46288	10	23·964	6·924	46362	10	10·255	8·852	46436	13	5·451	10·950
46141	10	7·100	4·643	46215	11	14·561	5·947	46289	12	24·457	6·015	46363	11	10·332	8·482	46437	10	6·456	10·024
46142	10	7·131	4·989	46216	10	14·564	5·472	46290	20	24·671	6·100	46364	10	10·755	8·822	46438	12	6·556	10·328
46143	11	7·664	4·173	46217	10	14·821	5·152	46291	10	24·701	6·158	56365	10	11·261	8·265	46439	17	6·576	10·930
46144	12	7·789	4·308	46218	12	14·914	5·225	46292	10	25·720	6·714	46366	11	12·041	8·677	46440	10	6·632	10·981
46145	14	8·935	4·306	46219	11	15·258	5·468	46293	13	0·522	7·236	46367	12	12·042	8·933	46441	10	6·980	10·775
46146	12	10·520	4·913	46220	10	15·405	5·762	46294	22	0·866	7·827	46368	11	12·480	8·836	46442	11	7·366	10·169
46147	20	10·830	4·384	46221	10	16·094	5·533	46295	15	0·955	7·485	46369*	33	12·651	8·864	46443*	55	7·566	10·727
46148	15	11·300	4·819	46222	13	16·253	5·221	46296	20	1·134	7·591	46370	12	15·541	8·822	46444	10	8·005	10·088

46445	11	8·731	10·648	46519	10	24·226	11·713	46593	12	10·121	13·167	46667*	35	19·366	14·371	46741	19	4·268	16·610
46446	20	9·161	10·331	46520	10	24·308	11·681	46594	11	10·727	13·071	46668	11	19·810	14·587	46742	10	4·528	16·763
46447	11	10·280	10·072	46521	12	24·501	11·624	46595	12	11·955	13·064	46669	11	20·092	14·545	46743	12	5·022	16·209
46448	20	11·041	10·200	46522	11	24·735	11·475	46596	13	14·387	13·540	46670	10	20·257	14·194	46744	10	5·381	16·631
46449	19	13·101	10·267	46523	21	24·952	11·230	46597	12	14·541	13·275	46671	13	20·709	14·058	46745	12	6·455	16·297
46450	10	13·267	10·207	46524	16	25·116	11·765	46598	10	14·775	13·660	46672	12	20·957	14·431	46746	10	6·956	16·570
46451	11	14·000	10·783	46525	10	25·205	11·951	46599	11	15·245	13·875	46673	11	21·382	14·137	46747*	20	7·041	16·032
46452	10	14·024	10·773	46526	10	25·735	11·824	46600	22	15·795	13·709	46674	10	21·531	14·609	46748	10	7·215	16·399
46453	18	15·440	10·411	46527	14	25·853	11·473	46601*	30	16·143	13·405	46675	10	22·268	14·306	46749	10	7·226	16·379
46454	10	16·124	10·035	46528	10	25·914	11·667	46602	13	16·509	13·606	46676	10	22·391	14·042	46750	12	8·060	16·307
46455	12	16·205	10·610	46529	19	0·648	12·027	46603*	22	16·910	13·190	46677	12	22·418	14·321	46751	10	8·455	16·236
46456	13	16·474	10·600	46530	28	0·771	12·608	46604	11	17·386	13·715	46678	10	22·910	14·687	46752	10	9·365	16·687
46457	11	16·605	10·593	46531	21	1·241	12·692	46605	20	17·772	13·331	46679	11	23·405	14·128	46753	12	11·991	16·839
46458	10	16·790	10·311	46532	20	1·681	12·223	46606	10	18·551	13·701	46680	12	23·946	14·194	46754	10	12·057	16·790
46459	10	16·868	10·489	46533	14	2·301	12·090	46607	12	18·650	13·643	46681	14	25·149	14·908	46755	18	12·165	16·559
46460*	34	17·313	10·961	46534	14	2·331	12·828	46608	10	18·746	13·946	46682	14	25·151	14·838	46756	11	13·347	16·968
46461	12	17·447	10·736	46535	21	2·467	12·586	46609	10	19·075	13·402	46683	12	25·277	14·003	46757	11	13·816	16·376
46462	11	18·448	10·898	46536	10	2·709	12·351	46610	12	19·075	13·925	46684	20	25·315	14·760	46758	11	13·818	16·901
46463*	24	18·451	10·240	46537	11	3·750	12·458	46611	10	19·457	13·253	46685	20	25·424	14·230	46759	12	14·448	16·889
46464	10	18·550	10·382	46538	10	4·245	12·824	46612	13	19·586	13·804	46686	19	0·003	15·225	46760	10	14·591	16·115
46465	10	19·025	10·523	46539*	35	4·299	12·232	46613	12	21·020	13·142	46687	31	0·801	15·775	46761	24	14·680	16·099
46466	11	19·381	10·565	46540	11	4·766	12·437	46614	10	21·278	13·939	46688	18	0·871	15·323	46762	10	15·522	16·198
46467	10	19·599	10·808	46541	10	4·845	12·457	46615	11	21·339	13·787	46689	14	2·661	15·186	46763	10	17·884	16·683
46468	12	21·095	10·539	46542	14	5·011	12·572	46616	19	21·610	13·010	46690	12	2·961	15·043	46764	11	18·666	16·536
46469	10	21·961	10·709	46543	11	5·827	12·843	46617	12	22·007	13·339	46691	13	3·658	15·577	46765	10	18·878	16·624
46470	10	22·450	10·665	46544	10	5·890	12·656	46618	11	22·086	13·454	46692	12	5·031	15·688	46766	17	19·280	16·004
46471	10	22·498	10·997	46545	10	5·895	12·276	46619*	23	22·432	13·876	46693	12	5·957	15·019	46767	10	19·345	16·582
46472	15	23·014	10·503	46546	10	7·463	12·942	46620	18	22·449	13·881	46694	22	5·993	15·774	46768*	21	19·606	16·390
46473	10	23·332	10·301	46547	30	10·072	12·371	46621	22	22·671	13·831	46695*	22	6·491	15·902	46769	10	20·825	16·776
46474*	42	23·719	10·758	46548	21	12·077	12·481	46622	12	23·258	13·765	46696	12	6·645	15·634	46770	10	21·081	16·689
46475	11	23·820	10·106	46549	12	13·050	12·718	46623	18	23·431	13·042	46697	12	6·763	15·800	46771	12	21·491	16·961
46476	10	24·173	10·247	46550	10	14·021	12·962	46624	10	23·974	13·566	46698	12	6·932	15·768	46772*	32	21·570	16·221
46477	10	24·986	10·021	46551	10	14·454	12·268	46625	10	24·180	13·851	46699	10	7·149	15·191	46773	10	21·706	16·108
46478	13	25·121	10·029	46552	20	14·483	12·313	46626	10	24·240	13·982	46700	10	7·231	15·440	46774	12	22·337	16·868
46479	12	25·478	10·546	46553	30	16·990	12·226	46627	10	24·504	13·645	46701	10	9·067	15·796	46775	10	22·340	16·104
46480	10	25·626	10·827	46554	15	18·500	12·706	46628	20	24·895	13·913	46702	10	9·633	15·744	46776	10	23·114	16·903
46481	10	25·699	10·975	46555	12	18·738	12·368	46629	21	24·950	13·463	46703	12	9·865	15·856	46777	15	23·161	16·570
46482	20	0·219	11·906	46556	10	18·830	12·684	46630	10	25·394	13·865	46704*	31	11·145	15·864	46778	11	23·423	16·776
46483	22	0·989	11·408	46557	11	19·817	12·976	46631	12	1·776	14·429	46705	11	11·579	15·484	46779	10	24·476	16·361
46484	20	1·815	11·139	46558	20	20·720	12·951	46632	11	3·900	14·789	46706	10	13·525	15·808	46780	12	24·624	16·879
46485*	48	2·258	11·067	46559	12	20·860	12·685	46633	10	4·100	14·904	46707	12	14·535	15·581	46781	10	24·673	16·831
46486	13	2·445	11·048	46560	12	20·912	12·250	46634	29	4·221	14·633	46708	12	14·836	15·532	46782	10	25·170	16·161
46487	12	4·607	11·761	46561	10	21·017	12·816	46635	19	4·946	14·436	46709	11	15·117	15·885	46783	12	25·853	16·779
46488	12	5·247	11·696	46562	10	22·401	12·267	46636	11	5·035	14·327	46710	12	15·621	15·170	46784	18	0·776	17·901
46489	11	5·258	11·070	46563	10	22·757	12·206	46637	10	6·146	14·392	46711	12	15·704	15·690	46785	15	0·841	17·907
46490	11	5·377	11·078	46564	11	22·965	12·546	46638	20	6·256	14·089	46712	10	15·875	15·377	46786	12	3·320	17·309
46491	15	5·461	11·706	46565	10	23·010	12·602	46639	17	6·326	14·337	46713	11	16·545	15·024	46787	12	3·800	17·820
46492	10	5·996	11·061	46566	12	23·168	12·071	46640	10	6·377	14·313	46714	9	17·511	15·636	46788	12	4·872	17·006
46493	11	8·106	11·651	46567	10	23·726	12·374	46641	11	6·384	14·260	46715	10	17·720	15·778	46789	10	5·427	17·857
46494	11	9·138	11·273	46568	10	24·187	12·631	46642	10	6·869	14·838	46716	10	18·053	15·399	46790	10	5·476	17·451
46495	12	11·356	11·056	46569	10	24·440	12·107	46643	10	6·887	14·285	46717	10	18·070	15·039	46791	10	6·044	17·915
46496	13	11·805	11·460	46570	21	24·610	12·811	46644	12	7·121	14·448	46718	12	18·558	15·298	46792	11	6·221	17·780
46497	13	11·871	11·562	46571	11	24·884	12·995	46645	10	8·123	14·559	46719	17	19·318	15·981	46793	17	6·319	17·569
46498*	19	11·964	11·742	46572	15	25·047	12·905	46646	10	8·220	14·923	46720	10	19·431	15·839	46794*	31	6·660	17·339
46499*	27	12·618	11·393	46573	10	25·366	12·647	46647	20	8·700	14·496	46721	21	20·110	15·640	46795	10	7·362	17·566
46500	11	13·138	11·283	46574	12	25·742	12·837	46648	12	8·930	14·110	46722	12	20·783	15·092	46796	10	8·088	17·630
46501	11	14·490	11·614	46575	39	0·742	13·335	46649	22	9·340	14·215	46723	10	21·903	15·682	46797	10	8·594	17·349
46502	12	14·771	11·845	46576	19	1·455	13·656	46650	10	10·060	14·847	46724	10	22·143	15·487	46798	11	9·000	17·478
46503	10	14·784	11·826	46577*	59	2·373	13·501	46651	11	12·067	14·198	46725	9	22·399	15·515	46799	12	9·770	17·621
46504	17	15·215	11·908	46578	22	2·407	13·842	46652	12	12·371	14·209	46726	10	22·890	15·172	46800	10	10·095	17·972
46505	12	17·936	11·427	46579	12	2·991	13·949	46653	12	12·877	14·549	46727	10	23·145	15·833	46801	10	10·238	17·893
46506	10	18·422	11·024	46580	11	3·236	13·339	46654	10	13·821	14·360	46728	10	24·111	15·108	46802	12	10·365	17·725
46507	10	18·745	11·705	46581	11	4·370	13·164	46655	12	14·207	14·529	46729	10	24·220	15·441	46803	12	10·868	17·099
46508	12	18·776	11·754	46582	10	4·426	13·686	46656	20	14·310	14·394	46730	10	24·601	15·028	46804	10	10·906	17·082
46509	11	19·539	11·682	46583	10	4·582	13·231	46657	12	14·686	14·196	46731	12	24·621	15·075	46805*	30	11·630	17·539
46510	10	19·966	11·484	46584	12	4·585	13·973	46658*	30	14·864	14·750	46732	13	24·804	15·410	46806	11	12·019	17·778
46511	10	20·440	11·055	46585	10	5·097	13·967	46659	15	15·350	14·406	46733	12	25·556	15·137	46807	10	15·298	17·832
46512	11	20·858	11·064	46586	10	6·398	13·057	46660	11	15·439	14·549	46734	34	0·315	16·571	46808	10	16·049	17·256
46513	18	21·173	11·387	46587	10	6·669	13·249	46661	13	15·755	14·426	46735	21	2·170	16·889	46809	12	16·181	17·259
46514	12	21·564	11·091	46588	11	8·235	13·806	46662	20	16·598	14·489	46736	15	2·478	16·263	46810	20	16·339	17·655
46515	10	22·271	11·028	46589	10	8·254	13·544	46663	12	16·976	14·712	46737	11	2·548	16·210	46811	20	17·571	17·037
46516	10	22·450	11·472	46590	10	8·346	13·140	46664	10	17·124	14·898	46738*	22	2·609	16·158	46812	12	17·705	17·759
46517	10	22·809	11·931	46591	11	9·546	13·026	46665	10	17·455	14·908	46739	11	3·560	16·957	46813	12	18·170	17·426
46518	10	23·592	11·894	46592	12	10·085	13·854	46666	10	18·749	14·357	46740	10	3·667	16·236	46814	10	18·403	17·978

46815	12	19·449	17·939	46889	21	7·745	19·595	46963	11	18·656	20·032	47037	19	5·025	22·703	47111	10	13·821	23·372
46816	10	19·637	17·641	46890	11	7·939	19·097	46964	11	18·956	20·556	47038	10	5·636	22·698	47112*	58	14·007	23·517
46817	12	19·812	17·682	46891	10	8·015	19·599	46965	10	19·300	20·998	47039*	32	6·356	22·265	47113	22	14·347	23·319
46818	12	20·820	17·050	46892	10	9·506	19·539	46966	13	19·600	20·192	47040	10	6·539	22·230	47114	10	14·471	23·107
46819	22	21·031	17·619	46893	12	9·521	19·580	46967	11	20·069	20·280	47041	12	7·029	22·621	47115*	26	14·597	23·509
46820	10	21·557	17·571	46894	10	9·541	19·992	46968	20	20·677	20·844	47042	10	7·100	22·207	47116	10	15·670	23·049
46821	10	22·231	17·102	46895*	33	9·865	19·368	46969	11	21·034	20·672	47043	12	7·284	22·808	47117	11	16·301	23·600
46822	10	22·276	17·149	46896	10	11·095	19·347	46970	10	22·403	20·635	47044*	30	8·644	22·044	47118	10	16·385	23·682
46823	13	22·305	17·214	46897	20	11·110	19·208	46971	11	23·276	20·591	47045	10	10·799	22·497	47119	10	17·841	23·618
46824	10	22·961	17·275	46898	10	11·780	19·201	46972	10	23·599	20·547	47046	11	10·991	22·689	47120	10	17·851	23·250
46825	20	24·849	17·769	46899	12	12·178	19·489	46973	10	23·725	20·133	47047	10	11·829	22·700	47121	11	18·114	23·450
46826	10	25·016	17·582	46900	10	13·300	19·575	46974	12	23·870	20·950	47048	10	11·896	22·137	47122*	35	18·423	23·891
46827	10	25·278	17·418	46901	10	14·661	19·181	46975	11	24·482	20·301	47049*	29	12·135	22·007	47123	10	18·866	23·637
46828	11	25·609	17·171	46902	9	16·030	19·410	46976	10	24·522	20·171	47050	10	13·421	22·863	47124	10	19·005	23·362
46829	23	0·936	18·914	46903	11	16·325	19·760	46977	13	25·745	20·626	47051	11	13·546	22·939	47125	10	19·083	23·437
46830	10	1·401	18·185	46904	10	16·838	19·429	46978	24	1·000	21·391	47052	11	14·253	22·916	47126	10	19·181	23·360
46831	19	1·824	18·419	46905	12	17·153	19·766	46979	22	1·797	21·585	47053	13	14·315	22·962	47127	10	19·343	23·617
46832	25	2·350	18·048	46906	10	18·230	19·426	46980	13	3·945	21·251	47054	10	14·391	22·839	47128	10	19·717	23·239
46833*	50	2·556	18·070	46907	10	18·422	19·418	46981	11	4·246	21·068	47055	10	14·661	22·302	47129	10	20·075	23·879
46834	12	4·835	18·881	46908	12	19·640	19·111	46982	12	4·285	21·308	47056	10	14·973	22·929	47130	10	20·710	23·215
46835	10	5·862	18·399	46909*	39	19·699	19·065	46983	11	5·522	21·106	47057	11	15·220	22·211	47131	10	21·531	23·849
46836	10	6·360	18·520	46910	10	20·171	19·345	46984	11	5·795	21·009	47058	10	15·269	22·018	47132	11	22·071	23·801
46837	10	6·495	18·032	46911	10	20·180	19·917	46985	11	6·044	21·743	47059	11	15·351	22·347	47133	11	22·505	23·271
46838	12	6·855	18·895	46912	15	20·290	19·098	46986	10	7·163	21·355	47060	11	15·952	22·945	47134	10	23·479	23·060
46839	11	7·431	18·835	46913	12	20·461	19·536	46987	10	7·357	21·899	47061	11	17·137	22·598	47135	21	23·576	23·493
46840	20	7·454	18·442	46914	20	20·781	19·360	46988	10	7·512	21·194	47062	10	17·894	22·404	47136	10	23·829	23·319
46841	20	7·561	18·100	46915	12	20·956	19·781	46989	12	7·936	21·925	47063	10	17·992	22·426	47137	11	23·996	23·656
46842*	39	9·531	18·670	46916	10	22·116	19·098	46990	12	7·980	21·798	47064	10	19·271	22·211	47138	11	24·223	23·152
46843	16	9·852	18·194	46917	12	22·214	19·837	46991	10	8·105	21·238	47065	10	19·461	22·101	47139	11	24·691	23·581
46844	10	10·171	18·876	46918	16	22·256	19·806	46992	10	8·185	21·800	47066	10	19·857	22·986	47140	10	24·734	23·886
46845	10	10·380	18·975	46919	12	23·234	19·982	46993	11	8·540	21·350	47067	11	20·436	22·858	47141	31	25·325	23·297
46846	20	11·207	18·860	46920	12	23·412	19·456	46994	11	9·452	21·144	47068	11	20·794	22·977	47142	16	25·698	23·625
46847	12	11·675	18·227	46921	10	24·130	19·911	46995	10	9·601	21·848	47069	10	20·873	22·363	47143	33	0·193	24·816
46848	11	12·382	18·349	46922	12	24·200	19·361	46996	10	9·733	21·206	47070	15	21·074	22·647	47144	25	0·938	24·657
46849	12	12·475	18·644	46923	10	24·280	19·606	46997	10	10·936	21·250	47071	10	22·115	22·596	47145	19	1·795	24·350
46850	10	13·209	18·480	46924	12	24·825	19·513	46998*	55	11·526	21·975	47072	12	22·984	22·668	47146	22	1·811	24·287
46851	10	13·576	18·521	46925	15	24·909	19·701	46999	12	12·078	21·481	47073	11	23·214	22·192	47147	11	4·517	24·826
46852	10	14·031	18·020	46926	10	25·379	19·091	47000	10	12·078	21·309	47074	12	24·415	22·711	47148	21	4·683	24·661
46853	10	14·175	18·421	46927	42	25·409	19·816	47001	10	12·100	21·824	47075	19	24·771	22·750	47149	11	5·324	24·741
46854	11	15·025	18·591	46928	13	25·725	19·571	47002	10	13·051	21·376	47076	23	24·806	22·985	47150	13	5·538	24·171
46855	10	15·732	18·785	46929	11	25·892	19·158	47003	10	13·176	21·927	47077	10	24·824	22·076	47151	11	7·606	24·117
46856	10	15·907	18·709	46930	32	1·125	20·705	47004	12	13·801	21·602	47078	12	25·390	22·288	47152	10	8·105	24·327
46857*	29	16·875	18·318	46931	10	2·533	20·329	47005	10	14·060	21·129	47079	20	25·613	22·119	47153	10	8·230	24·246
46858*	21	17·047	18·408	46932	33	2·930	20·770	47006	10	15·123	21·106	47080	18	2·546	23·770	47154	12	8·441	24·116
46859	10	17·372	18·491	46933	14	3·583	20·210	47007	10	15·175	21·170	47081	12	3·615	23·343	47155	20	9·136	24·958
46860	10	18·975	18·645	46934	11	4·918	20·892	47008	10	16·738	21·703	47082	12	4·099	23·403	47156	10	9·316	24·615
46861	10	19·243	18·636	46935	13	5·081	20·900	47009	11	16·900	21·654	47083	11	4·648	23·016	47157	10	9·341	24·936
46862	10	19·870	18·745	46936	10	6·404	20·825	47010	10	16·931	21·570	47084	10	5·265	23·192	47158	10	9·748	24·954
46863	12	20·285	18·463	46937	10	7·329	20·992	47011	17	17·205	21·670	47085	10	5·426	23·251	47159*	31	10·070	24·399
46864*	41	20·725	18·154	46938	10	7·372	20·421	47012	12	17·689	21·571	47086	10	6·273	23·106	47160	10	10·785	24·781
46865	10	21·558	18·212	46939	10	7·482	20·901	47013	10	18·237	21·749	47087	10	6·384	23·177	47161	12	10·831	24·260
46866	10	22·249	18·683	46940	10	7·750	20·200	47014	10	18·645	21·390	47088	10	6·516	23·182	47162	10	11·825	24·934
46867	10	22·264	18·789	46941	10	8·715	20·745	47015	11	20·631	21·571	47089	23	7·127	23·056	47163	12	11·849	24·056
46868	10	22·576	18·696	46942	22	9·295	20·490	47016	10	20·865	21·940	47090	10	7·272	23·162	47164	10	12·177	24·596
46869	12	22·645	18·865	46943	10	9·765	20·310	47017	12	21·430	21·208	47091	10	7·411	23·165	47165	10	12·371	24·752
46870	11	23·131	18·693	46944	10	10·341	20·281	47018	12	21·472	21·880	47092	10	7·931	23·365	47166	20	12·405	24·962
46871	10	23·481	18·860	46945	10	10·431	20·618	47019	12	21·535	21·662	47093	19	8·248	23·649	47167	10	12·545	24·428
46872	11	23·765	18·615	46946	12	12·518	20·851	47020	10	21·860	21·333	47094	10	8·411	23·817	47168	10	13·571	24·731
46873	12	24·315	18·027	46947	10	12·604	20·858	47021	12	22·340	21·936	47095	11	8·545	23·741	47169	10	14·077	24·753
46874*	32	24·581	18·217	46948	27	13·205	20·801	47022	12	22·383	21·867	47096	10	8·980	23·218	47170	10	14·187	24·495
46875	11	24·625	18·764	46949	11	14·195	20·917	47023	10	23·407	21·691	47097	12	9·300	23·362	47171	12	14·351	24·556
46876	10	24·815	18·246	46950	12	14·464	20·775	47024*	32	23·881	21·304	47098	10	9·328	23·995	47172	10	14·431	24·631
46877	12	1·466	19·973	46951	10	14·518	20·407	47025	13	24·180	21·088	47099	10	9·581	23·931	47173	12	14·440	24·212
46878	25	2·256	19·561	46952	10	15·656	20·776	47026	21	24·237	21·814	47100	11	9·625	23·638	47174	14	14·641	24·358
46879	23	2·630	19·506	46953	10	15·781	20·331	47027	10	24·502	21·706	47101	12	10·476	23·538	47175	10	15·807	24·005
46880	11	2·885	19·145	46954	13	16·239	20·908	47028	11	24·695	21·992	47102	15	10·895	23·053	47176	10	15·983	24·332
46881	21	2·947	19·247	46955	10	16·329	20·775	47029	10	25·235	21·085	47103	10	11·206	23·758	47177	10	16·119	24·188
46882	15	3·026	19·989	46956	10	16·582	20·173	47030	11	25·294	21·268	47104	10	11·520	23·947	47178	10	16·480	24·786
46883	10	3·495	19·221	46957	21	16·631	20·111	47031	10	25·295	21·160	47105	13	11·825	23·936	47179	10	17·237	24·749
46884	13	4·382	19·123	46958	12	16·750	20·481	47032	10	25·454	21·940	47106	16	11·989	23·058	47180	10	17·255	24·064
46885	14	6·216	19·445	46959	10	16·986	20·559	47033	22	1·676	22·937	47107	10	12·345	23·184	47181	10	17·261	24·350
46886	10	6·712	19·924	46960	10	17·840	20·509	47034	12	2·370	22·132	47108	10	12·794	23·118	47182	13	17·285	24·188
46887	12	7·355	19·455	46961	11	18·369	20·620	47035	20	2·451	22·749	47109	10	12·973	23·300	47183	12	17·438	24·295
46888	10	7·398	19·687	46962	12	18·465	20·192	47036	32	3·615	22·370	47110	25	13·505	23·229	47184	10	17·736	24·573

No.	d	x	y
47185	10	18·916	24·251
47186	10	19·037	24·974
47187	10	19·351	24·210
47188	10	19·801	24·600
47189	11	19·826	24·597
47190	11	20·344	24·625
47191	10	21·240	24·281
47192	19	21·250	24·067
47193	20	21·350	24·740
47194*	33	21·890	24·604
47195	12	22·025	24·401
47196	12	22·110	24·275
47197	10	22·116	24·986
47198	12	22·768	24·636
47199	19	23·200	24·105
47200	37	0·766	25·600
47201*	46	2·575	25·445
47202	19	5·216	25·436
47203	20	5·925	25·800
47204	12	6·281	25·346
47205	10	6·614	25·514
47206	10	6·705	25·086
47207	11	7·890	25·800
47208	25	8·086	25·481
47209	10	8·145	25·276
47210	11	8·371	25·848
47211	10	8·805	25·526
47212	10	8·851	25·260
47213*	28	9·780	25·121
47214	10	10·125	25·196
47215	12	10·186	25·825
47216	10	11·120	25·463
47217	10	11·195	25·635
47218	10	11·211	25·949
47219	12	12·076	25·313
47220	10	13·249	25·289
47221	10	13·600	25·770
47222	10	14·171	25·476
47223	10	15·041	25·242
47224	10	15·144	25·937
47225	10	15·230	25·532
47226	29	15·780	25·616
47227	13	17·039	25·893
47228	9	17·115	25·140
47229	10	17·231	25·004
47230	10	17·556	25·183
47231	12	18·680	25·351
47232	10	19·001	25·719
47233	10	19·730	25·066
47234	13	21·081	25·460
47235	10	21·099	25·874
47236	13	22·236	25·071
47237	23	24·416	25·396
47238	16	24·814	25·585
47239	15	24·991	25·430
47240	10	25·223	25·673
47241	20	25·533	25·979

R. A. 19h 25m

Plate 2000; 1902 July 11.

Provisional Constants.

A −·00042 B +·00588 C −·2447

D −·00578 E −·00060 F −·2806

Mag. = 16·0 − 1·36 $\sqrt{d}$

No.	d	x	y
47301	25	2·033	0·436
47302	11	2·795	0·822
47303	14	3·506	0·109
47304	22	3·592	0·758
47305	12	5·781	0·572
47306	11	6·136	0·537
47307	13	6·533	0·671
47308	18	7·592	0·635
47309	9	8·308	0·774
47310	14	8·459	0·481
47311	10	8·541	0·469
47312	10	8·669	0·671
47313	16	8·710	0·552
47314	9	9·035	0·533
47315	10	9·181	0·759
47316	19	9·463	0·214
47317	11	9·496	0·537
47318	23	9·643	0·770
47319	20	9·844	0·467
47320	10	10·129	0·575
47321	11	10·229	0·321
47322	10	10·671	0·058
47323	10	10·735	0·295
47324	10	11·046	0·325
47325	10	11·481	0·857
47326	11	11·565	0·620
47327*	26	12·066	0·693
47328	12	12·311	0·297
47329	11	12·430	0·616
47330	10	14·169	0·610
47331	10	14·411	0·304
47332	10	15·270	0·361
47333	7	15·284	0·594
47334	11	15·504	0·750
47335	12	15·771	0·840
47336	9	15·967	0·217
47337	11	17·056	0·085
47338	20	17·438	0·875
47339	11	17·688	0·964
47340	10	17·711	0·328
47341	9	17·810	0·555
47342	9	17·825	0·965
47343	16	17·960	0·521
47344	9	17·985	0·904
47345	19	18·175	0·791
47346	7	18·192	0·911
47347	14	18·438	0·771
47348	7	18·611	0·586
47349	19	18·896	0·920
47350	10	18·948	0·874
47351	10	19·704	0·992
47352	10	19·976	0·285
47353	10	20·016	0·021
47354	10	20·364	0·382
47355*	30	20·556	0·326
47356	10	20·598	0·059

No.	d	x	y
47357	10	21·549	0·395
47358	12	21·944	0·990
47359	12	22·317	0·981
47360	11	23·304	0·749
47361	13	24·440	0·297
47362	11	25·019	0·431
47363	15	25·609	0·501
47364	18	25·794	0·459
47365*	23	0·275	1·671
47366	15	0·542	1·985
47367	11	3·092	1·177
47368	10	6·400	1·624
47369	11	6·422	1·550
47370*	27	6·690	1·730
47371	12	6·776	1·549
47372	12	7·248	1·483
47373	20	7·351	1·200
47374	10	10·226	1·775
47375	13	10·839	1·832
47376	10	11·109	1·351
47377	9	11·346	1·509
47378	10	11·385	1·357
47379	13	12·495	1·559
47380	9	13·000	1·970
47381*	31	13·355	1·729
47382	10	13·449	1·771
47383	10	13·508	1·001
47384	10	14·054	1·985
47385	10	14·157	1·342
47386	13	14·357	1·991
47387	11	14·466	1·587
47388	10	15·041	1·398
47389	9	15·236	1·984
47390	8	16·014	1·750
47391	7	16·019	1·494
47392	12	16·136	1·468
47393	10	16·451	1·814
47394	9	17·345	1·262
47395	7	17·480	1·600
47396	7	17·566	1·307
47397	9	17·588	1·565
47398	18	18·177	1·779
47399	14	18·384	1·110
47400	8	19·437	1·260
47401	13	19·451	1·116
47402	10	19·525	1·184
47403	9	20·026	1·006
47404*	23	20·180	1·893
47405	10	20·761	1·558
47406	19	20·970	1·010
47407	10	21·281	1·512
47408	9	21·388	1·392
47409	10	21·482	1·751
47410	20	21·600	1·326
47411	10	21·656	1·920
47412	9	21·712	1·983
47413	9	21·891	1·113
47414	10	22·258	1·807
47415	8	22·350	1·379
47416	9	22·632	1·644
47417	12	22·671	1·153
47418	10	23·048	1·657
47419	11	23·390	1·701
47420	12	23·457	1·800
47421	10	23·556	1·240
47422	12	23·706	1·393
47423	14	24·066	1·244
47424	10	24·291	1·571
47425*	21	24·343	1·486
47426*	29	24·900	1·816
47427	10	25·015	1·872
47428	11	25·240	1·136
47429	11	25·360	1·362
47430	21	25·411	1·517

No.	d	x	y
47431	11	25·465	1·752
47432	23	0·710	2·983
47433	20	0·950	2·425
47434	19	1·262	2·694
47435	17	1·328	2·503
47436	12	2·797	2·925
47437	20	3·308	2·964
47438	9	3·415	2·164
47439	20	3·844	2·363
47440*	21	3·931	2·802
47441	10	4·150	2·850
47442	15	4·262	2·560
47443	14	4·481	2·369
47444	14	6·113	2·429
47445	8	6·287	2·140
47446	16	7·079	2·341
47447	12	7·370	2·016
47448	10	7·729	2·485
47449	21	7·751	2·903
47450	14	9·275	2·892
47451	10	9·292	2·378
47452	9	9·948	2·928
47453	10	10·121	2·922
47454*	28	10·310	2·010
47455	10	10·499	2·791
47456	12	10·500	2·707
47457	9	10·544	2·681
47458	10	11·168	2·350
47459	9	11·315	2·874
47460	10	11·834	2·274
47461	15	12·006	2·451
47462	20	12·103	2·641
47463	10	12·312	2·230
47464	9	12·398	2·472
47465	19	12·496	2·807
47466	10	12·663	2·511
47467	14	12·955	2·696
47468	10	13·905	2·191
47469	20	14·365	2·813
47470	8	14·763	2·204
47471	11	14·876	2·427
47472	13	15·064	2·270
47473	10	15·367	2·780
47474	14	15·783	2·714
47475	10	15·840	2·550
47476	10	16·071	2·107
47477	11	16·794	2·676
47478	8	17·206	2·284
47479	10	17·371	2·018
47480	11	17·573	2·912
47481	10	18·087	2·253
47482	17	18·148	2·350
47483	13	18·287	2·635
47484	9	18·349	2·049
47485	15	18·437	2·755
47486	10	18·641	2·633
47487	10	19·691	2·304
47488	10	19·842	2·337
47489	8	20·176	2·193
47490	9	20·220	2·478
47491	11	20·764	2·580
47492	10	20·845	2·523
47493	12	20·849	2·377
47494	10	21·159	2·252
47495	9	21·466	2·846
47496	10	21·694	2·335
47497	9	21·760	2·773
47498	13	21·821	2·107
47499	10	21·996	2·344
47500	10	22·310	2·429
47501	11	22·401	2·775
47502	12	22·477	2·893
47503	11	22·499	2·774
47504*	20	22·535	2·297

No.	d	x	y
47505	11	22·941	2·782
47506	11	23·465	2·214
47507	16	23·467	2·459
47508	12	23·804	2·802
47509*	21	24·108	2·796
47510	10	24·327	2·591
47511	10	24·801	2·965
47512	11	24·941	2·729
47513	16	2·082	3·847
47514	13	2·865	3·637
47515*	35	3·463	3·672
47516	14	3·556	3·913
47517	22	3·586	3·810
47518	15	3·651	3·265
47519	16	3·875	3·524
47520	10	3·942	3·942
47521	20	4·390	3·817
47522	9	5·217	3·501
47523	16	5·267	3·964
47524*	14	5·413	3·034
47525	10	5·663	3·899
47526	12	5·703	3·904
47527	10	5·866	3·980
47528	10	6·095	3·560
47529	11	6·434	3·641
47530	10	6·725	3·796
47531*	25	8·088	3·193
47532*	38	8·803	3·325
47533	12	9·525	3·376
47534	10	9·953	3·248
47535	11	10·093	3·175
47536	10	10·115	3·161
47537	10	10·485	3·294
47538	11	10·716	3·477
47539	10	11·095	3·624
47540	19	11·262	3·490
47541	10	11·306	3·772
47542	11	11·388	3·300
47543	10	11·562	3·862
47544	9	11·651	3·695
47545	11	11·709	3·241
47546	12	11·801	3·776
47547	10	11·835	3·208
47548	12	13·054	3·658
47549	10	13·202	3·349
47550	20	13·868	3·049
47551	10	13·935	3·400
47552	11	14·069	3·112
47553	11	14·466	3·925
47554	10	14·976	3·841
47555	10	15·142	3·560
47556	15	15·382	3·342
47557	21	16·220	3·741
47558	10	16·351	3·981
47559	9	16·409	3·477
47560	10	16·867	3·225
47561*	37	17·895	3·297
47562	9	18·216	3·984
47563	9	18·520	3·510
47564	10	19·055	3·980
47565	13	19·386	3·038
47566	10	19·459	3·560
47567	9	19·480	3·236
47568	11	19·635	3·943
47569	9	19·799	3·218
47570	8	19·803	3·586
47571	9	19·995	3·581
47572	10	20·137	3·801
47573	16	20·340	3·159
47574	16	20·444	3·201
47575	9	21·444	3·724
47576	11	21·445	3·793
47577	10	21·653	3·674
47578	10	21·797	3·396

47579	11	21·817	3·507	47653	10	20·829	4·845	47727	9	21·546	5·846	47801	10	22·865	6·054	47875	23	21·041	7·002
47580	10	22·068	3·322	47654	8	20·929	4·755	47728	11	21·793	5·333	47802	10	23·381	6·196	47876	19	21·090	7·506
47581	10	22·171	3·032	47655	12	21·139	4·326	47729	9	22·180	5·460	47803	10	23·422	6·704	47877	10	21·580	7·655
47582	13	22·350	3·504	47656	9	21·756	4·863	47730	11	22·261	5·470	47804	13	23·504	6·973	47878	11	21·900	7·204
47583	10	22·546	3·480	47657	9	21·865	4·456	47731	11	22·292	5·330	47805	12	23·562	6·610	47879	10	21·987	7·212
47584	11	22·727	3·488	47658	10	21·980	4·562	47732	10	22·597	5·722	47806	11	23·704	6·041	47880	9	21·985	7·605
47585	16	23·050	3·575	47659	8	22·050	4·942	47733	18	22·790	5·021	47807*	23	24·014	6·346	47881	9	22·181	7·035
47586	13	23·159	3·635	47660	9	22·312	4·665	47734	10	22·859	5·858	47808	19	24·108	6·487	47882	9	22·294	7·783
47587	19	23·690	3·918	47661	12	22·339	4·420	47735	9	22·944	5·849	47809	10	24·265	6·230	47883	13	22·675	7·306
47588	11	23·879	3·101	47662	12	23·186	4·067	47736	19	23·608	5·506	47810	10	24·462	6·330	47884	13	23·152	7·993
47589	12	24·540	3·234	47663	9	23·222	4·704	47737	13	24·778	5·387	47811	9	24·471	6·558	47885	10	23·165	7·641
47590	11	24·700	3·765	47664	11	23·302	4·974	47738	13	24·869	5·203	47812	14	24·801	6·787	47886	10	23·656	7·755
47591	11	24·946	3·358	47665	11	23·524	4·066	47739	12	25·205	5·998	47813	11	25·149	6·107	47887	9	23·657	7·219
47592	11	25·065	3·309	47666	13	23·561	4·327	47740	11	25·413	5·088	47814	10	25·206	6·780	47888	8	24·581	7·648
47593	11	25·208	3·711	47667	11	23·594	4·370	47741	13	0·228	6·253	47815	11	25·206	6·618	47889	20	24·692	7·598
47594	19	25·521	3·950	47668	9	23·750	4·755	47742*	23	0·396	6·178	47816	11	25·878	6·281	47890	11	24·991	7·977
47595	20	25·608	3·920	47669	9	24·590	4·111	47743	18	1·704	6·234	47817	18	0·839	7·524	47891	12	25·290	7·480
47596	14	25·755	3·601	47670	11	24·596	4·839	47744	26	1·920	6·311	47818	24	1·066	7·306	47892	9	25·406	7·066
47597	11	25·809	3·304	47671	12	24·687	4·341	47745	11	2·975	6·911	47819	12	2·409	7·797	47893	12	25·526	7·027
47598	22	0·398	4·306	47672	10	24·837	4·614	47746	12	3·166	6·864	47820	13	2·881	7·750	47894*	26	25·769	7·143
47599	23	0·541	4·030	47673	10	25·065	4·179	47747	11	3·338	6·880	47821	10	3·195	7·915	47895	11	25·991	7·477
47600	18	1·863	4·521	47674	9	25·085	4·375	47748	11	3·679	6·210	47822	11	3·222	7·920	47896	25	0·136	8·310
47601	25	2·499	4·029	47675	11	25·415	4·630	47749	11	3·885	6·548	47823	10	3·277	7·338	47897	27	1·340	8·155
47602	12	2·702	4·396	47676	10	25·728	4·211	47750	12	4·040	6·272	47824	11	3·346	7·386	47898	11	1·534	8·850
47603	13	2·952	4·559	47677	20	25·740	4·279	47751	11	4·091	6·087	47825	13	3·347	7·446	47899	13	2·175	8·930
47604	15	3·546	4·406	47678	12	2·270	5·462	47752	18	4·685	6·285	47826	21	3·845	7·841	47900	11	2·358	8·330
47605	10	3·721	4·891	47679	21	2·797	5·037	47753	9	4·712	6·402	47827	9	3·928	7·242	47901	11	2·384	8·981
47606	10	4·158	4·135	47680	13	3·246	5·620	47754	19	4·719	6·350	47828	10	3·970	7·654	47902	10	2·425	8·001
47607	11	4·421	4·971	47681	13	3·290	5·561	47755	9	4·769	6·082	47829	10	5·230	7·674	47903	11	3·016	8·453
47608	12	5·085	4·407	47682	10	4·722	5·914	47756	10	5·106	6·014	47830	13	5·468	7·564	47904	12	3·505	8·250
47609	10	5·139	4·759	47683	18	4·940	5·864	47757	12	5·706	6·868	47831	9	5·694	7·270	47905	15	3·942	8·703
47610	9	5·499	4·624	47684	12	5·086	5·308	47758	10	5·881	6·562	47832	9	6·270	7·844	47906	10	4·120	8·782
47611	12	5·506	4·819	47685	10	5·482	5·843	47759	10	6·374	6·850	47833	10	6·291	7·828	47907	8	4·204	8·869
47612	11	5·642	4·755	47686	10	6·135	5·505	47760	14	6·656	6·780	47834	11	6·307	7·664	47908	9	4·785	8·866
47613	14	5·756	4·429	47687	10	6·377	5·668	47761	9	6·785	6·281	47835	8	6·382	7·825	47909	10	4·841	8·891
47614	15	6·507	4·905	47688	14	6·444	5·712	47762	8	6·838	6·979	47836	8	6·694	7·706	47910	11	5·050	8·770
47615	10	6·518	4·950	47689	10	7·065	5·137	47763	10	7·345	6·594	47837	20	6·903	7·654	47911	10	5·371	8·254
47616	11	7·255	4·833	47690	16	7·367	5·334	47764	20	7·558	6·068	47838	11	7·116	7·028	47912	10	5·714	8·013
47617	9	7·328	4·563	47691	11	7·376	5·129	47765	9	7·663	6·053	47839	9	8·025	7·897	47913	14	5·830	8·844
47618	18	7·689	4·375	47692	20	7·719	5·430	47766*	23	8·147	6·691	47840	10	8·409	7·666	47914	11	6·066	8·640
47619	10	8·154	4·530	47693	10	8·113	5·674	47767	10	8·566	6·690	47841	11	9·215	7·038	47915*	23	6·459	8·651
47620	10	8·271	4·103	47694	10	9·598	5·072	47768	11	8·892	6·318	47842	10	9·282	7·659	47916	14	6·590	8·708
47621	11	8·276	4·450	47695	12	9·685	5·202	47769	13	10·024	6·205	47843	20	9·525	7·523	47917	13	6·621	8·015
47622	9	8·430	4·362	47696	11	9·820	5·165	47770	13	10·214	6·435	47844	11	10·360	7·511	47918	19	7·333	8·019
47623	9	9·257	4·543	47697	10	10·085	5·099	47771	17	11·266	6·432	47845	8	10·488	7·172	47919	10	7·468	8·711
47624	8	9·381	4·443	47698	18	10·781	5·566	47772	19	11·889	6·322	47846	9	10·700	7·279	47920	20	7·855	8·346
47625	20	10·178	4·490	47699	12	11·166	5·220	47773	10	11·990	6·498	47847	9	11·228	7·763	47921*	25	8·001	8·893
47626	9	10·880	4·295	47700	12	12·148	5·631	47774	10	12·814	6·919	47848	11	11·250	7·017	47922	10	8·410	8·228
47627	16	10·965	4·721	47701	11	12·212	5·407	47775	11	13·002	6·868	47849	13	12·026	7·922	47923	11	8·448	8·679
47628	11	12·025	4·955	47702	19	12·475	5·473	47776	12	13·825	6·180	47850	11	12·152	7·196	47924	10	9·053	8·409
47629	7	12·151	4·984	47703	11	12·769	5·842	47777	11	14·174	6·468	47851	11	12·862	7·937	47925	11	9·783	8·331
47630	11	12·538	4·029	47704	10	13·481	5·490	47778*	30	14·368	6·910	47852	10	13·173	7·459	47926	10	10·573	8·393
47631	9	12·600	4·646	47705	13	13·701	5·252	47779	9	14·724	6·385	47853	11	14·431	7·461	47927	14	10·681	8·375
47632	15	12·839	4·857	47706	11	14·861	5·246	47780	10	14·873	6·616	47854	19	14·565	7·708	47928	20	10·725	8·544
47633	14	13·550	4·770	47707	9	15·930	5·838	47781	11	14·900	6·377	47855	10	15·014	7·714	47929	12	10·754	8·165
47634*	40	13·681	4·738	47708	11	16·530	5·170	47782	10	15·042	6·437	47856	15	15·446	7·490	47930	12	11·306	8·050
47635	10	13·761	4·720	47709	11	16·621	5·612	47783	11	15·758	6·424	47857	16	15·463	7·091	47931	13	11·344	8·000
47636	9	14·120	4·423	47710	10	17·114	5·287	47784	11	16·575	6·415	47858	11	15·508	7·041	47932	10	11·365	8·138
47637	10	14·484	4·512	47711	10	17·220	5·077	47785	9	16·674	6·667	47859	10	15·621	7·292	47933	12	11·411	8·178
47638	9	14·801	4·335	47712*	27	17·260	5·156	47786	12	17·170	6·056	47860	13	15·938	7·118	47934	12	11·739	8·460
47639	11	15·085	4·014	47713	11	17·272	5·107	47787	20	17·270	6·680	47861	13	16·918	7·171	47935	10	11·827	8·976
47640	13	16·048	4·106	47714	9	17·350	5·084	47788	9	17·735	6·288	47862	13	17·309	7·775	47936	11	14·144	8·988
47641	10	16·302	4·449	47715	13	17·518	5·181	47789	14	17·846	6·192	47863	9	17·311	7·351	47937	11	14·364	8·791
47642	10	16·392	4·190	47716	11	17·639	5·781	47790	10	18·275	6·415	47864	10	17·380	7·522	47938	11	14·674	8·774
47643	19	16·590	4·166	47717	9	18·385	5·469	47791	13	18·566	6·457	47865	9	17·988	7·603	47939	12	14·769	8·528
47644	13	18·103	4·360	47718	8	18·411	5·430	47792	8	19·792	6·142	47866	13	18·167	7·407	47940	10	15·045	8·808
47645	9	19·010	4·682	47719	7	18·670	5·725	47793	9	19·911	6·981	47867	10	18·865	7·175	47941	13	17·645	8·859
47646	9	19·311	4·017	47720	9	18·748	5·325	47794	17	19·998	6·038	47868	20	19·007	7·763	47942	8	18·229	8·398
47647	9	19·367	4·130	47721	12	18·884	5·597	47795	10	20·769	6·143	47869	10	19·044	7·779	47943	10	18·248	8·184
47648	9	20·173	4·925	47722	10	19·623	5·571	47796	10	21·154	6·939	47870	13	19·060	7·414	47944	11	19·480	8·342
47649	9	20·565	4·867	47723	8	19·651	5·558	47797	7	21·167	6·289	47871	9	19·231	7·971	47945	7	19·563	8·672
47650	10	20·628	4·961	47724	10	19·905	5·307	47798	10	21·226	6·628	47872	19	19·321	7·647	47946	10	19·796	8·065
47651	13	20·676	4·542	47725	11	20·930	5·658	47799	9	21·883	6·606	47873	10	20·356	7·228	47947	13	19·929	8·767
47652	10	20·716	4·404	47726	20	21·074	5·784	47800	9	22·692	6·335	47874	10	20·819	7·580	47948	10	20·231	8·242

47949	8	20·680	8·379	48023	9	22·342	9·999	48097	9	24·408	10·886	48171	11	21·553	11·693	48245	10	24·235	12·216
47950	11	20·710	8·064	48024	11	23·232	9·820	48098	12	24·819	10·883	48172	10	21·685	11·580	48246	9	24·600	12·627
47951	9	20·755	8·885	48025	11	23·476	9·094	48099	20	25·108	10·635	48173	11	22·126	11·709	48247	10	25·311	12·819
47952	20	21·716	8·640	48026	10	23·714	9·319	48100	9	25·499	10·831	48174	8	22·187	11·298	48248	10	25·346	12·602
47953	11	21·868	8·259	48027*	25	23·783	9·703	48101	7	1·648	11·899	48175	13	22·479	11·036	48249	10	25·418	12·503
47954	8	22·087	8·457	48028	11	23·817	9·853	48102	9	1·840	11·841	48176	12	22·711	11·379	48250	15	25·476	12·290
47955	10	22·176	8·945	48029	10	23·822	9·325	48103	11	2·071	11·685	48177	9	22·840	11·890	48251	10	25·782	12·632
47956	9	22·221	8·198	48030	9	24·101	9·990	48104	22	2·284	11·439	48178	8	22·918	11·884	48252	13	0·634	13·999
47957	11	22·882	8·332	48031	10	24·506	9·546	48105	19	2·457	11·970	48179	11	23·046	11·899	48253	22	0·796	13·275
47958	11	23·110	8·263	48032	13	25·103	9·100	48106	8	3·029	11·170	48180	9	23·069	11·733	48254	13	1·345	13·789
47959	10	23·229	8·229	48033	10	25·529	9·493	48107	13	3·187	11·664	48181	11	23·107	11·064	48255	13	1·878	13·862
47960	10	23·633	8·461	48034	10	25·852	9·662	48108	9	3·251	11·857	48182*	22	23·128	11·714	48256	23	1·970	13·024
47961	9	23·733	8·576	48035	9	25·956	9·045	48109	13	4·067	11·396	48183	11	23·744	11·351	48257	12	2·244	13·203
47962	8	23·909	8·611	48036	21	0·334	10·743	48110	13	4·488	11·561	48184	8	24·167	11·873	48258	28	2·321	13·672
47963	9	23·964	8·314	48037	15	0·649	10·535	48111	9	5·213	11·369	48185	13	24·675	11·239	48259	20	2·407	13·112
47964	14	24·459	8·067	48038*	63	1·044	10·989	48112	11	5·558	11·134	48186	9	24·717	11·370	48260	10	3·100	13·033
47965	9	24·561	8·179	48039	13	1·134	10·334	48113	20	5·950	11·361	48187	11	24·890	11·534	48261	10	4·153	13·268
47966	10	24·639	8·880	48040	11	1·491	10·468	48114	10	6·468	11·606	48188	9	25·126	11·825	48262	10	5·343	13·444
47967	9	24·702	8·652	48041	12	1·802	10·070	48115	9	6·531	11·785	48189	10	25·230	11·265	48263	9	5·733	13·923
47968	9	24·717	8·950	48042	11	2·301	10·230	48116	10	6·669	11·446	48190	13	0·106	12·449	48264	10	6·233	13·312
47969	12	24·732	8·263	48043	17	2·435	10·237	48117	10	7·020	11·087	48191	13	0·156	12·172	48265	10	6·518	13·418
47970	10	25·719	8·062	48044	11	2·798	10·744	48118*	20	7·194	11·617	48192	20	0·321	12·785	48266	14	6·581	13·379
47971	12	25·848	8·499	48045	10	3·486	10·715	48119	10	7·431	11·745	48193	13	0·367	12·842	48267	13	6·899	13·709
47972	10	25·917	8·439	48046	9	3·707	10·007	48120	10	7·444	11·595	48194	18	0·515	12·308	48268	20	6·989	13·755
47973	14	1·207	9·625	48047	10	3·958	10·996	48121	13	7·565	11·011	48195	11	1·542	12·851	48269	9	6·992	13·840
47974	14	2·651	9·756	48048*	28	4·157	10·120	48122	11	8·061	11·831	48196	12	1·789	12·325	48270	10	7·079	13·424
47975	13	2·658	9·451	48049	9	4·299	10·564	48123	9	8·539	11·859	48197	10	2·548	12·153	48271	10	7·532	13·911
47976	8	2·811	9·999	48050	10	4·816	10·154	48124	13	8·546	11·372	48198	12	2·721	12·848	48272	10	8·008	13·357
47977	12	2·878	9·143	48051	13	5·353	10·424	48125	11	8·844	11·106	48199	11	4·618	12·097	48273	8	8·012	13·303
47978	10	4·159	9·004	48052	9	5·651	10·895	48126	8	8·890	11·831	48200	10	4·793	12·794	48274	10	8·232	13·257
47979*	25	4·170	9·504	48053	10	6·191	10·203	48127	9	8·923	11·657	48201	10	5·203	12·204	48275	9	8·297	13·120
47980	10	4·260	9·772	48054	9	7·539	10·000	48128	11	9·081	11·879	48202*	20	6·025	12·528	48276	18	8·414	13·632
47981	14	4·521	9·706	48055	14	7·813	10·842	48129	10	9·270	11·035	48203	10	6·270	12·940	48277	9	8·642	13·994
47982	8	4·744	9·971	48056	10	9·094	10·762	48130	11	9·312	11·698	48204	9	6·451	12·019	48278	12	8·681	13·164
47983	12	5·748	9·166	48057	10	9·511	10·111	48131	20	9·718	11·429	48205	8	7·169	12·900	48279	11	8·731	13·787
47984	10	6·128	9·816	48058	10	9·764	10·574	48132	14	10·488	11·386	48206	19	8·003	12·423	48280	13	9·112	13·301
47985	10	6·130	9·561	48059	13	12·141	10·500	48133	9	10·694	11·971	48207	12	8·542	12·572	48281	10	10·840	13·205
47986	10	6·189	9·318	48060	14	12·563	10·123	48134	14	11·237	11·291	48208*	21	8·777	12·401	48282	10	11·368	13·519
47987	18	6·726	9·015	48061	11	12·685	10·110	48135	11	11·252	11·431	48209	10	8·822	12·326	48283	11	11·494	13·239
47988	13	7·703	9·118	48062	13	13·090	10·798	48136	10	11·456	11·663	48210	13	9·015	12·052	48284	10	12·044	13·460
47989	11	7·745	9·166	48063	12	13·464	10·172	48137	14	12·244	11·758	48211	10	9·211	12·465	48285	12	12·468	13·294
47990	10	7·888	9·819	48064	13	13·526	10·127	48138	12	12·254	11·912	48212	8	10·122	12·845	48286	11	13·254	13·070
47991	9	7·896	9·062	48065	16	14·359	10·930	48139	14	12·367	11·144	48213	13	10·166	12·715	48287	13	13·414	13·999
47992	9	7·965	9·076	48066	14	14·844	10·008	48140	9	12·746	11·903	48214	13	10·404	12·640	48288	20	13·871	13·777
47993	7	8·130	9·785	48067	13	14·891	10·863	48141	12	13·711	11·266	48215	11	10·819	12·470	48289	13	14·045	13·297
47994	8	8·134	9·046	48068	13	15·032	10·549	48142	30	13·848	11·854	48216	12	10·888	12·948	48290	32	14·312	13·183
47995	10	8·219	9·582	48069	12	15·075	10·973	48143	13	14·099	11·394	48217	11	11·974	12·751	48291	12	14·474	13·117
47996	20	8·685	9·973	48070	12	15·138	10·368	48144	9	14·415	11·996	48218	14	13·109	12·701	48292	20	14·994	13·845
47997*	25	9·026	9·575	48071	13	15·629	10·972	48145	9	14·489	11·690	48219	13	14·490	12·522	48293	10	15·774	13·392
47998	8	9·230	9·057	48072	14	15·777	10·190	48146	14	14·912	11·613	48220	10	16·142	12·535	48294	13	16·143	13·412
47999	20	9·644	9·989	48073	13	16·390	10·306	48147	11	15·122	11·783	48221	25	16·516	12·726	48295	14	16·375	13·869
48000	11	10·065	9·392	48074	11	16·409	10·891	48148	10	15·162	11·710	48222	10	16·633	12·335	48296	13	16·437	13·835
48001	12	10·477	9·911	48075	10	16·589	10·618	48149	10	15·280	11·965	48223	11	17·109	12·326	48297	14	16·457	13·210
48002	9	10·500	9·865	48076	13	17·468	10·861	48150	10	16·499	11·818	48224	13	17·221	12·743	48298	12	16·717	13·381
48003	21	10·552	9·800	48077	13	18·558	10·002	48151	10	16·588	11·040	48225	11	17·593	12·138	48299	14	16·781	13·550
48004	9	12·241	9·568	48078	10	18·581	10·081	48152	11	17·091	11·743	48226	20	17·798	12·820	48300	12	16·919	13·322
48005*	33	12·474	9·181	48079	10	19·010	10·993	48153	12	17·535	11·612	48227	21	19·110	12·383	48301	11	17·235	13·068
48006	10	14·136	9·469	48080	11	19·619	10·029	48154	11	18·099	11·802	48228	19	19·136	12·070	48302	11	17·668	13·588
48007	11	14·270	9·429	48081	10	20·378	10·172	48155	11	18·360	11·106	48229	11	19·193	12·550	48303	10	18·151	13·659
48008	12	14·458	9·813	48082	13	20·385	10·984	48156	13	18·529	11·552	48230	10	19·629	12·492	48304	10	18·447	13·201
48009	10	15·389	9·251	48083	20	21·180	10·200	48157	10	18·722	11·093	48231	10	20·165	12·237	48305	17	18·502	13·157
48010	11	16·705	9·589	48084	10	21·528	10·628	48158	10	18·909	11·276	48232	9	20·462	12·518	48306	20	18·663	13·887
48011	12	16·982	9·144	48085	9	21·948	10·864	48159	10	19·175	11·501	48233*	27	20·566	12·634	48307	13	18·711	13·038
48012	15	17·509	9·362	48086	10	22·544	10·410	48160	12	19·494	11·413	48234	10	21·125	12·455	48308	10	18·743	13·425
48013	10	18·495	9·343	48087	9	22·585	10·731	48161	22	19·497	11·367	48235	10	21·199	12·271	48309	10	18·865	13·836
48014	13	19·072	9·444	48088	9	22·817	10·580	48162	11	20·281	11·709	48236	10	21·664	12·011	48310	11	19·678	13·153
48015*	20	19·686	9·431	48089	9	22·903	10·918	48163	13	20·443	11·257	48237	10	21·887	12·191	48311	11	20·053	13·344
48016	10	19·733	9·527	48090	14	22·945	10·762	48164	13	20·701	11·996	48238	10	22·183	12·210	48312	12	20·294	13·669
48017	9	20·336	9·513	48091	12	23·165	10·335	48165	11	20·882	11·847	48239	12	22·230	12·349	48313	13	20·909	13·863
48018	11	20·410	9·799	48092	13	23·287	10·766	48166	10	21·093	11·432	48240*	50	23·187	12·872	48314	18	21·593	13·178
48019	10	21·004	9·856	48093	9	23·560	10·833	48167	11	21·225	11·965	48241	10	23·453	12·094	48315	12	21·764	13·294
48020	13	21·369	9·222	48094	10	23·730	10·273	48168	10	21·301	11·687	48242	11	24·053	12·939	48316	10	21·882	13·874
48021	8	21·466	9·864	48095	7	23·939	10·793	48169	9	21·342	11·050	48243	9	24·097	12·799	48317	13	22·006	13·290
48022	11	22·231	9·364	48096	8	24·003	10·028	48170	11	21·370	11·420	48244	11	24·120	12·819	48318	9	22·190	13·791

48319	12	22.446	13.039	48393	9	24.285	14.570	48467	11	3.275	16.970	48541	16	7.628	17.540	48615	9	5.609	18.199
48320	10	22.713	13.908	48394	10	25.029	14.251	48468	9	3.734	16.421	48542	9	8.155	17.535	48616	10	5.645	18.173
48321	9	22.825	13.783	48395	20	25.844	14.981	48469	10	4.817	16.087	48543	11	8.158	17.302	48617	9	5.999	18.704
48322	9	22.859	13.131	48396	13	0.289	15.416	48470	10	5.351	16.400	48544	11	8.170	17.994	48618	8	6.097	18.085
48323	13	23.160	13.817	48397	11	1.508	15.327	48471	10	5.888	16.130	48545	11	8.334	17.842	48619	10	6.725	18.299
48324	10	23.628	13.616	48398	11	1.621	15.660	48472	10	6.494	16.295	48546	9	8.913	17.153	48620	10	7.533	18.380
48325	10	24.052	13.050	48399	14	2.015	15.288	48473	11	6.971	16.595	48547	10	9.143	17.656	48621	12	7.604	18.788
48326	9	24.100	13.085	48400	11	2.126	15.936	48474	10	7.479	16.463	48548	10	9.453	17.414	48622	12	8.405	18.851
48327	10	24.154	13.633	48401	16	2.204	15.620	48475	9	8.743	16.999	48549	10	9.836	17.247	48623	9	8.700	18.790
48328	20	24.702	13.157	48402	13	2.543	15.110	48476	8	8.814	16.457	48550	9	9.907	17.910	48624	10	8.850	18.154
48329	10	24.771	13.781	48403	13	2.544	15.040	48477	9	8.926	16.981	48551	10	10.888	17.608	48625	9	9.699	18.158
48330	10	25.581	13.458	48404	12	2.953	15.333	48478	10	9.131	16.191	48552	9	11.060	17.912	48626	9	10.508	18.674
48331	7	25.788	13.114	48405	11	3.828	15.842	48479	9	9.602	16.452	48553	10	11.128	17.278	48627	9	10.585	18.839
48332	14	25.801	13.647	48406	11	3.926	15.465	48480	7	9.694	16.463	48554	20	11.185	17.740	48628	14	10.602	18.009
48333	30	0.046	14.075	48407	10	4.290	15.471	48481	13	10.086	16.219	48555	11	11.649	17.265	48629	9	11.000	18.625
48334	18	0.785	14.361	48408	11	4.480	15.671	48482	13	10.262	16.904	48556	11	11.841	17.098	48630	10	11.409	18.610
48335	13	1.327	14.416	48409	11	5.172	15.753	48483	11	11.079	16.116	48557	11	12.109	17.956	48631	10	11.910	18.320
48336	11	1.557	14.072	48410	10	5.682	15.673	48484	10	11.144	16.672	48558	12	12.115	17.411	48632	8	11.950	18.871
48337	21	2.270	14.121	48411	10	5.921	15.024	48485	23	11.592	16.782	48559	10	12.339	17.651	48633	10	12.066	18.984
48338	11	2.654	14.207	48412	10	6.151	15.434	48486	11	12.438	16.089	48560	13	12.429	17.552	48634	9	12.217	18.638
48339	20	2.707	14.962	48413	14	6.335	15.806	48487	10	12.452	16.687	48561	11	12.532	17.230	48635	8	12.470	18.926
48340	11	2.770	14.066	48414	6	6.392	15.412	48488	10	12.637	16.248	48562	10	12.841	17.619	48636	9	12.815	18.348
48341	20	2.807	14.429	48415	10	6.961	15.049	48489	12	13.112	16.884	48563*	29	13.266	17.535	48637	10	13.417	18.569
48342	9	3.700	14.694	48416	18	7.130	15.850	48490	19	13.213	16.059	48564	14	13.833	17.033	48638	20	13.890	18.644
48343	17	3.802	14.056	48417	11	7.258	15.560	48491	11	13.644	16.398	48565	22	13.900	17.733	48639	11	14.015	18.731
48344	11	3.844	14.203	48418	12	7.946	15.120	48492	22	14.760	16.912	48566	9	14.055	17.851	48640	10	14.252	18.661
48345	13	4.621	14.264	48419	10	8.073	15.625	48493	12	16.094	16.863	48567*	50	14.148	17.578	48641	10	14.715	18.502
48346	10	5.165	14.076	48420	20	8.435	15.063	48494	11	16.610	16.180	48568	8	14.311	17.397	48642	9	15.072	18.199
48347	9	5.882	14.329	48421	10	8.463	15.440	48495	11	16.830	16.273	48569	10	14.723	17.412	48643	12	15.288	18.116
48348	10	6.497	14.130	48422	10	8.893	15.591	48496	11	16.964	16.657	48570	12	14.813	17.787	48644	12	15.361	18.224
48349	11	6.835	14.539	48423	18	9.326	15.493	48497	11	17.650	16.734	48571	10	15.050	17.919	48645	10	16.097	18.825
48350*	28	6.938	14.256	48424	10	9.721	15.492	48498	11	17.679	16.156	48572	11	15.912	17.935	48646	10	16.134	18.190
48351	10	7.487	14.914	48425	9	10.121	15.454	48499	10	18.526	16.834	48573	12	16.010	17.060	48647	11	17.153	18.399
48352	10	7.612	14.102	48426	10	10.317	15.435	48500	11	18.826	16.801	48574	14	16.133	17.126	48648	10	17.381	18.321
48353	9	7.912	14.666	48427	10	11.452	15.815	48501	10	19.259	16.221	48575	13	16.495	17.746	48649	15	17.875	18.667
48354	7	8.245	14.410	48428	10	11.471	15.687	48502	13	19.393	16.959	48576	10	16.702	17.242	48650	12	18.210	18.424
48355	13	8.552	14.570	48429	9	12.561	15.262	48503	19	19.575	16.949	48577	11	16.724	17.502	48651	9	18.383	18.224
48356	13	8.573	14.378	48430	11	12.830	15.969	48504	9	20.096	16.854	48578	13	16.815	17.389	48652	14	19.131	18.519
48357	10	9.163	14.092	48431	11	12.840	15.532	48505	10	21.047	16.771	48579	10	17.065	17.569	48653	11	19.266	18.060
48358	13	9.910	14.091	48432	10	13.378	15.336	48506	11	21.448	16.980	48580	13	17.100	17.844	48654	10	19.410	18.102
48359	11	10.009	14.095	48433	19	13.752	15.400	48507	9	21.549	16.990	48581	8	17.200	17.185	48655	20	19.433	18.952
48360	11	11.376	14.238	48434	14	14.436	15.004	48508	21	21.556	16.100	48582	13	17.601	17.309	48656	11	19.732	18.864
48361*	40	12.300	14.283	48435	11	14.626	15.665	48509*	26	21.944	16.689	48583	10	18.681	17.436	48657	10	19.794	18.300
48362*	39	12.632	14.171	48436	11	14.985	15.551	48510	10	22.269	16.333	48584	11	18.914	17.290	48658	9	19.858	18.894
48363	18	12.956	14.598	48437	16	15.368	15.607	48511	11	22.317	16.714	48585	10	19.189	17.228	48659	10	19.980	18.166
48364	13	12.980	14.819	48438	10	15.520	15.850	48512	12	22.645	16.945	48586	12	20.056	17.466	48660	10	20.099	18.874
48365	5	13.423	14.988	48439	10	15.621	15.095	48513	11	22.911	16.985	48587	10	20.830	17.591	48661	10	20.390	18.557
48366	13	14.239	14.490	48440	10	15.809	15.975	48514	12	23.500	16.120	48588	13	20.911	17.965	48662	10	21.337	18.519
48367	10	14.290	14.764	48441	18	16.301	15.169	48515	10	23.566	16.010	48589	9	21.236	17.833	48663	13	21.618	18.420
48368*	50	14.540	14.629	48442	12	17.092	15.963	48516	11	23.717	16.657	48590	8	21.257	17.849	48664	9	21.634	18.188
48369	12	15.151	14.620	48443	10	17.244	15.863	48517	20	23.867	16.433	48591	7	21.301	17.651	48665	13	22.273	18.402
48370	10	15.643	14.315	48444	9	17.875	15.053	48518	20	23.900	16.740	48592	11	21.571	17.156	48666	11	22.796	18.449
48371	12	15.946	14.310	48445	13	18.507	15.914	48519	19	24.329	16.889	48593	10	22.486	17.492	48667	10	22.916	18.370
48372	11	15.985	14.980	48446	11	19.669	15.825	48520	10	24.595	16.909	48594	10	23.016	17.351	48668*	20	22.929	18.063
48373	8	16.650	14.003	48447	11	19.968	15.197	48521	10	24.600	16.307	48595	9	23.411	17.671	48669	10	23.334	18.143
48374	10	17.111	14.069	48448	20	19.977	15.317	48522	10	24.665	16.387	48596	10	23.627	17.739	48670	10	23.392	18.879
48375	17	17.228	14.366	48449	10	20.206	15.566	48523	10	24.762	16.242	48597	10	23.635	17.730	48671	12	23.447	18.510
48376	10	17.986	14.611	48450	10	21.829	15.134	48524	10	25.645	16.878	48598	10	23.983	17.180	48672	10	23.516	18.870
48377*	23	18.115	14.019	48451	12	22.571	15.099	48525	10	25.872	16.048	48599	10	24.260	17.310	48673	10	23.889	18.853
48378	10	18.736	14.866	48452	13	22.759	15.500	48526	11	0.393	17.514	48600	13	24.311	17.201	48674	10	23.891	18.244
48379	11	19.151	14.199	48453	10	23.376	15.649	48527	13	0.541	17.141	48601	10	24.670	17.580	48675	10	24.874	18.542
48380	10	20.188	14.465	48454	10	23.571	15.589	48528	18	0.846	17.004	48602	8	24.794	17.391	48676	18	25.015	18.505
48381	16	20.431	14.987	48455	10	23.626	15.985	48529	20	2.049	17.088	48603	10	24.802	17.041	48677	12	25.510	18.151
48382	11	22.029	14.498	48456	12	23.784	15.591	48530	21	2.288	17.980	48604	10	25.161	17.839	48678	11	25.792	18.075
48383	18	22.323	14.162	48457	10	24.076	15.063	48531	10	2.714	17.622	48605	10	25.993	17.249	48679	18	0.104	19.107
48384	11	22.418	14.694	48458	21	24.618	15.854	48532	11	3.040	17.367	48606	14	1.219	18.842	48680	23	0.881	19.690
48385	8	22.911	14.809	48459	9	25.181	15.383	48533	12	4.139	17.433	48607	15	1.760	18.243	48681	15	1.669	19.580
48386	8	23.062	14.723	48460	12	25.680	15.478	48534	10	5.669	17.571	48608*	33	2.025	18.430	48682	12	1.752	19.826
48387	8	23.382	14.570	48461	10	25.734	15.270	48535	11	5.840	17.328	48609	18	2.080	18.977	48683	13	2.291	19.722
48388	13	23.893	14.768	48462	21	0.582	16.806	48536	10	5.898	17.015	48610	13	2.259	18.460	48684	15	2.382	19.910
48389	17	24.047	14.174	48463	11	1.894	16.576	48537	14	6.042	17.040	48611	11	3.969	18.830	48685	10	2.844	19.292
48390	12	24.150	14.293	48464	13	2.046	16.022	48538	9	6.249	17.489	48612	10	5.146	18.824	48686	12	3.195	19.763
48391	9	24.173	14.848	48465	21	2.109	16.124	48539	10	6.365	17.749	48613	10	5.384	18.156	48687	12	3.355	19.351
48392	10	24.199	14.614	48466	13	2.585	16.362	48540	11	7.179	17.628	48614	10	5.487	18.212	48688	12	3.785	19.155

48689	20	4·358	19·757	48763	10	24·220	19·559	48837	9	18·103	20·868	48911	10	15·552	21·904	48985	10	16·151	22·781
48690	19	4·851	19·084	48764	10	24·279	19·560	48838	9	18·538	20·187	48912	22	15·710	21·120	48986	8	16·416	22·993
48691	11	4·992	19·193	48765	12	24·409	19·921	48839	8	19·168	20·879	48913	10	15·937	21·321	48987	10	16·869	22·448
48692	10	4·996	19·011	48766	16	24·512	19·115	48840	10	19·490	20·158	48914	9	15·971	21·372	48988	20	16·900	22·110
48693	19	5·188	19·680	48767	11	24·761	19·643	48841	10	20·071	20·149	48915	9	16·029	21·272	48989	9	17·399	22·073
48694	10	6·259	19·745	48768	13	24·908	19·209	48842	10	20·181	20·021	48916	6	16·311	21·532	48990	8	17·484	22·030
48695	10	7·498	19·575	48769	12	25·249	19·689	48843	7	20·302	20·180	48917	10	16·801	21·852	48991	12	17·627	22·044
48696	10	7·672	19·146	48770	12	25·600	19·024	48844	8	20·372	20·371	48918	10	16·903	21·616	48992	8	18·424	22·392
48697	9	7·708	19·678	48771	14	0·712	20·216	48845	19	20·417	20·117	48919*	30	17·359	21·860	48993	11	18·622	22·431
48698	10	8·325	19·982	48772	15	0·764	20·822	48846*	20	20·421	20·472	48920	9	17·647	21·143	48994	13	19·009	22·996
48699	10	8·486	19·008	48773	15	1·085	20·772	48847	11	21·001	20·409	48921	9	17·798	21·409	48995	9	19·070	22·859
48700	9	8·496	19·300	48774	15	1·967	20·517	48848	14	21·320	20·838	48922	8	18·333	21·390	48996	20	19·210	22·183
48701	9	8·516	19·260	48775	11	2·119	20·835	48849	9	21·370	20·431	48923	11	18·555	21·319	48997	10	19·390	22·860
48702	11	8·744	19·483	48776*	41	2·885	20·014	48850	9	21·563	20·480	48924	9	18·582	21·480	48998	10	20·477	22·444
48703	18	8·822	19·889	48777	13	3·234	20·818	48851	9	22·159	20·861	48925	10	19·010	21·904	48999	10	20·609	22·330
48704	10	8·941	19·381	48778	11	3·486	20·653	48852	12	22·283	20·389	48926	10	19·028	21·499	49000	10	21·065	22·202
48705*	20	9·311	19·873	48779	22	3·902	20·978	48853	9	23·010	20·246	48927	9	19·426	21·627	49001	21	21·318	22·642
48706	9	9·320	19·923	48780	13	4·000	20·971	48854	10	23·225	20·861	48928	10	20·059	21·611	49002	10	22·433	22·380
48707	11	9·900	19·493	48781	11	4·526	20·615	48855	10	23·280	20·792	48929	10	20·225	21·580	49003	12	22·481	22·460
48708	8	10·085	19·616	48782	10	4·617	20·241	48856	12	23·293	20·855	48930	9	21·369	21·503	49004	10	22·672	22·245
48709	9	10·912	19·782	48783	10	4·953	20·240	48857	18	23·297	20·982	48931	16	21·537	21·544	49005	10	22·833	22·820
48710	10	11·060	19·901	48784	9	5·956	20·760	48858*	28	23·896	20·351	48932	10	21·671	21·644	49006	10	23·056	22·575
48711	10	11·269	19·334	48785	13	6·351	20·950	48859	10	24·100	20·641	48933	9	21·953	21·528	49007	9	23·096	22·100
48712	10	11·449	19·445	48786	18	6·638	20·027	48860	9	24·303	20·259	48934	13	22·082	21·997	49008	10	23·301	22·775
48713	11	12·371	19·096	48787	10	6·680	20·770	48861	21	24·645	20·591	48935	10	22·791	21·181	49009	12	23·864	22·443
48714	15	12·526	19·429	48788	10	6·910	20·609	48862	8	24·771	20·669	48936	10	24·043	21·220	49010	10	24·241	22·159
48715	10	12·632	19·675	48789	10	7·418	20·628	48863	13	25·041	20·412	48937	10	24·340	21·747	49011	9	24·290	22·000
48716	11	13·415	19·843	48790	10	7·568	20·061	48864	12	25·116	20·599	48938	22	24·951	21·344	49012	10	24·633	22·084
48717	12	13·508	19·140	48791	8	8·891	20·490	48865	12	25·256	20·076	48939	11	24·985	21·081	49013	12	24·707	22·007
48718	15	13·592	19·149	48792	10	9·143	20·278	48866	18	25·607	20·273	48940	20	25·142	21·304	49014	8	25·864	22·842
48719	10	13·903	19·297	48793	20	9·511	20·794	48867	13	25·742	20·589	48941	12	25·531	21·007	49015	31	1·109	23·725
48720	9	14·647	19·839	48794	9	9·670	20·912	48868	12	25·920	20·104	48942	11	25·606	21·644	49016	9	2·229	23·791
48721	10	15·632	19·328	48795	10	10·235	20·641	48869	15	1·362	21·171	48943	13	25·890	21·237	49017	29	2·334	23·193
48722	12	15·641	19·021	48796	10	10·278	20·395	48870*	50	1·377	21·530	48944	15	0·504	22·907	49018	27	2·861	23·498
48723	10	16·543	19·069	48797	9	10·605	20·993	48871	15	1·675	21·308	48945	15	0·728	22·429	49019	15	3·240	23·819
48724	10	16·572	19·446	48798	8	10·606	20·350	48872	12	2·793	21·361	48946	28	1·746	22·028	49020	10	4·154	23·950
48725	12	16·719	19·676	48799	10	10·757	20·320	48873	12	2·793	21·469	48947	13	2·202	22·202	49021	22	6·361	23·656
48726	10	17·292	19·796	48800	9	10·836	20·710	48874	13	4·022	21·988	48948	18	2·293	22·960	49022	10	6·509	23·243
48727	10	17·824	19·739	48801	10	11·227	20·692	48875	18	4·561	21·356	48949	17	3·122	22·313	49023	10	6·774	23·300
48728	9	17·933	19·365	48802	9	11·233	20·614	48876	13	4·583	21·798	48950	23	4·448	22·565	49024	13	6·788	23·521
48729	11	18·119	19·791	48803	10	11·919	20·601	48877	11	5·048	21·841	48951	13	4·496	22·579	49025	9	7·137	23·946
48730	10	18·130	19·265	48804	10	11·988	20·981	48878	18	5·379	21·913	48952	13	7·357	22·349	49026	13	7·266	23·757
48731	10	18·305	19·603	48805	12	12·142	20·935	48879	11	5·670	21·526	48953	10	7·475	22·972	49027	12	7·561	23·333
48732	9	18·398	19·286	48806	10	12·374	20·006	48880	13	6·194	21·982	48954	10	7·582	22·406	49028	11	8·002	23·650
48733	10	18·502	19·240	48807	9	12·402	20·300	48881	10	6·576	21·775	48955	11	7·792	22·946	49029	10	8·035	23·132
48734	10	18·507	19·292	48808	10	12·847	20·258	48882	13	7·113	21·161	48956	10	7·922	22·753	49030	10	8·097	23·609
48735	8	18·635	19·742	48809	20	12·968	20·181	48883	11	7·181	21·204	48957	9	8·488	22·771	49031	12	8·598	23·116
48736	22	18·746	19·454	48810	13	13·060	20·397	48884*	24	7·324	21·609	48958	11	8·507	22·948	49032	9	8·971	23·153
48737	10	18·793	19·656	48811	9	13·166	20·646	48885	10	7·698	21·603	48959	10	8·702	22·646	49033	10	9·339	23·737
48738	10	18·890	19·741	48812	9	13·578	20·134	48886	9	7·809	21·751	48960	10	9·256	22·357	49034	11	9·346	23·972
48739	11	18·902	19·464	48813	9	13·743	20·660	48887	8	8·193	21·980	48961	8	9·585	22·380	49035	10	9·685	23·529
48740	21	18·932	19·163	48814	10	13·924	20·583	48888	9	8·692	21·492	48962	10	9·942	22·616	49036	8	10·083	23·409
48741	10	19·441	19·192	48815	21	14·125	20·879	48889	11	8·796	21·403	48963	9	10·211	22·461	49037	10	10·231	23·418
48742	18	19·720	19·011	48816	9	14·396	20·342	48890	10	10·163	21·492	48964	7	10·289	22·701	49038	8	10·971	23·941
48743	11	19·758	19·906	48817	8	14·442	20·657	48891	10	10·296	21·521	48965	10	10·344	22·738	49039	12	11·280	23·238
48744	10	19·998	19·877	48818	10	14·492	20·438	48892	10	10·360	21·464	48966	10	10·531	22·614	49040	19	11·881	23·697
48745	9	20·093	19·225	48819	10	14·526	20·451	48893	13	10·472	21·257	48967	9	10·532	22·348	49041	10	12·143	23·377
48746	8	20·538	19·739	48820	17	14·613	20·947	48894	8	10·715	21·399	48968	9	10·769	22·684	49042	10	12·283	23·704
48747	9	20·563	19·831	48821	10	14·959	20·669	48895	9	10·792	21·524	48969	10	10·776	22·373	49043*	38	12·556	23·073
48748	10	20·846	19·738	48822	10	15·236	20·857	48896	10	10·837	21·464	48970	9	11·823	22·978	49044	9	12·849	23·731
48749	9	21·500	19·184	48823	11	15·277	20·980	48897	9	10·938	21·793	48971	16	12·351	22·217	49045	10	13·233	23·331
48750	9	21·666	19·971	48824	9	15·308	20·904	48898	10	11·155	21·871	48972	8	12·406	22·587	49046	13	13·276	23·811
48751	13	21·791	19·891	48825	10	15·350	20·251	48899	13	11·761	21·606	48973	9	12·442	22·017	49047	10	13·895	23·030
48752	10	21·948	19·058	48826	11	15·685	20·586	48900	8	12·893	21·100	48974	10	12·555	22·303	49048	10	14·166	23·637
48753	10	22·171	19·590	48827	11	16·178	20·134	48901	10	12·971	21·472	48975	10	13·131	22·330	49049	8	14·271	23·973
48754	10	22·225	19·530	48828	9	16·485	20·125	48902	7	13·220	21·513	48976	7	13·504	22·242	49050	8	14·515	23·251
48755	10	22·249	19·040	48829	15	16·743	20·108	48903	10	13·511	21·688	48977	9	13·544	22·587	49051	12	14·691	23·470
48756	10	22·464	19·237	48830	12	17·060	20·686	48904	11	14·240	21·683	48978	15	14·101	22·022	49052	15	14·901	23·577
48757	11	22·816	19·217	48831	9	17·210	20·313	48905	10	14·391	21·017	48979	9	14·836	22·665	49053	11	15·305	23·400
48758	10	23·057	19·334	48832*	33	17·266	20·686	48906	9	14·470	21·377	48980	10	15·350	22·348	49054	10	15·644	23·000
48759	9	23·179	19·157	48833	12	17·373	20·422	48907	8	14·541	21·725	48981	15	15·635	22·774	49055	9	16·394	23·121
48760	9	23·368	19·263	48834	10	17·391	20·624	48908	9	14·666	21·953	48982	10	15·700	22·843	49056	10	16·799	23·186
48761	12	23·737	19·463	48835	9	17·835	20·846	48909	9	15·367	21·670	48983	8	15·900	22·692	49057	10	16·856	23·709
48762	9	23·845	19·306	48836	10	18·008	20·412	48910	10	15·430	21·273	48984	10	16·120	22·212	49058	9	17·000	23·404

49059	12	17·056	23·302	49133	9	15·644	24·000	49207	18	21·143	25·924	49338	10	7·980	1·416	49412	10	6·417	3·816
49060	11	17·886	23·695	49134*	38	15·713	24·469	49208	12	21·421	25·241	49339	10	8·720	1·285	49413	11	6·776	3·314
49061	10	18·017	23·579	49135	15	16·341	24·836	49209	8	21·764	25·002	49340	10	11·759	1·960	49414	14	10·503	3·014
49062	8	18·087	23·163	49136	12	16·431	24·480	49210	10	21·970	25·316	49341	33	12·427	1·192	49415	11	10·626	3·935
49063	9	18·582	23·206	49137	8	16·544	24·791	49211	10	22·110	25·094	49342	10	14·250	1·370	49416*	44	10·915	3·352
49064	10	18·644	23·293	49138	9	16·593	24·956	49212	10	22·417	25·181	49343	10	16·041	1·115	49417	10	11·227	3·975
49065	17	18·784	23·115	49139	10	17·500	24·165	49213	12	22·659	25·839	49344	13	16·176	1·052	49418*	21	12·578	3·865
49066	9	18·930	23·298	49140	13	17·780	24·106	49214	10	23·010	25·864	49345	20	16·368	1·168	49419	14	12·912	3·764
49067*	25	19·000	23·820	49141	10	18·064	24·520	49215	10	23·090	25·279	49346	20	16·857	1·214	49420*	15	12·935	3·331
49068	10	19·020	23·057	49142	10	18·138	24·627	49216	10	23·196	25·277	49347*	24	17·115	1·697	49421	10	13·465	3·445
49069	10	19·136	23·041	49143	11	18·266	24·799	49217	20	23·462	25·283	49348	11	17·396	1·044	49422	10	13·697	3·776
49070	19	19·191	23·727	49144	10	18·271	24·187	49218	12	24·231	25·351	49349	10	17·427	1·176	49423	10	13·756	3·688
49071	15	19·690	23·628	49145	9	19·319	24·591	49219	15	24·396	25·612	49350	13	17·800	1·015	49424	24	13·798	3·854
49072	8	19·771	23·919	49146*	20	19·479	24·296	49220	18	25·923	25·616	49351	19	17·996	1·795	49425*	20	13·993	3·333
49073	10	19·845	23·266	49147	20	20·101	24·744	49221	15	25·996	25·616	49352*	32	19·089	1·886	49426	13	14·209	3·154
49074	9	19·969	23·724	49148	11	20·171	24·681					49353	10	19·477	1·506	49427	12	15·894	3·522
49075	10	20·236	23·365	49149	19	20·529	24·109					49354	10	20·496	1·963	49428*	55	16·401	3·097
49076	8	21·609	23·768	49150	9	20·536	24·796					49355	16	22·355	1·433	49429	11	17·541	3·575
49077	9	21·685	23·420	49151	20	21·360	24·481					49356	12	22·804	1·226	49430	17	17·835	3·925
49078	8	21·782	23·177	49152	15	21·404	24·985					49357	10	22·837	1·738	49431	13	17·860	3·678
49079	11	22·425	23·015	49153	10	21·575	24·379					49358*	29	23·844	1·140	49432	24	18·404	3·506
49080	17	22·582	23·625	49154	12	22·130	24·651					49359	10	24·806	1·561	49433	9	18·836	3·297
49081	10	22·827	23·010	49155	10	22·298	24·100					49360	14	25·237	1·366	49434	10	18·844	3·328
49082	8	23·286	23·039	49156	13	22·526	24·965					49361	12	25·625	1·122	49435	12	18·983	3·970
49083	11	23·386	23·298	49157	13	22·556	24·718					49362	13	25·864	1·826	49436	10	19·690	3·046
49084	11	23·595	23·927	49158	13	23·358	24·841					49363*	40	1·143	2·260	49437	10	20·056	3·945
49085	11	23·911	23·820	49159	13	24·637	24·110					49364	10	2·285	2·414	49438	12	20·411	3·937
49086	15	24·082	23·407	49160	22	24·669	24·889					49365	11	3·108	2·454	49439	10	21·124	3·748
49087	17	24·211	23·059	49161	21	24·275	24·744					49366	10	4·722	2·541	49440	14	21·549	3·054
49088	14	24·236	23·855	49162	13	25·320	24·547					49367	31	5·546	2·705	49441	11	21·619	3·215
49089	10	24·429	23·213	49163	13	25·449	24·101					49368	11	6·534	2·326	49442	9	22·750	3·745
49090	12	24·754	23·916	49164	12	25·709	24·186					49369	10	6·924	2·927	49443	10	23·610	3·986
49091	11	24·872	23·542	49165	30	1·983	25·611					49370*	22	8·317	2·168	49444	11	23·779	3·570
49092	11	24·891	23·688	49166	18	2·379	25·794					49371	12	8·779	2·258	49445	24	24·490	3·641
49093	12	25·229	23·792	49167	12	4·214	25·019					49372	10	8·807	2·427	49446	14	24·849	3·230
49094	23	25·509	23·260	49168	14	5·943	25·783					49373*	47	9·592	2·198	49447	18	25·198	3·056
49095	25	0·743	24·343	49169	13	7·682	25·569	No.	*d*	*x*	*y*	49374	20	9·773	2·663	49448	20	25·807	3·691
49096	10	2·275	24·096	49170	13	8·219	25·732	49301	14	0·750	0·390	49375	11	9·793	2·835	49449	14	1·799	4·386
49097	15	4·467	24·640	49171	12	8·268	25·813	49302	15	2·298	0·673	49376*	22	9·847	2·376	49450	15	1·887	4·353
49098	11	5·381	24·256	49172	13	8·402	25·932	49303	14	3·257	0·732	49377	17	11·220	2·616	49451	17	2·026	4·706
49099	11	6·110	24·075	49173	22	8·601	25·430	49304	12	7·238	0·245	49378	10	11·612	2·555	49452	11	4·017	4·135
49100	13	6·151	24·325	49174	12	8·700	25·650	49305	18	7·285	0·013	49379*	28	11·937	2·526	49453	34	4·166	4·606
49101	14	6·859	24·931	49175	12	8·840	25·528	49306*	28	7·840	0·294	49380*	30	11·940	2·507	49454	11	5·632	4·515
49102	10	6·939	24·069	49176	10	9·232	25·752	49307	16	10·165	0·715	49381	13	13·155	2·274	49455	10	6·020	4·553
49103	10	7·099	24·010	49177	12	9·248	25·729	49308	17	11·722	0·899	49382	22	13·745	2·005	49456	15	9·049	4·763
49104	11	7·481	24·187	49178	11	9·842	25·310	49309*	25	12·610	0·024	49383	10	16·023	2·490	49457	11	11·190	4·024
49105	9	7·574	24·819	49179	10	9·934	25·099	49310	22	12·634	0·805	49384	10	16·660	2·725	49458	11	12·123	4·547
49106	14	8·015	24·925	49180	17	10·785	25·228	49311	12	12·867	0·877	49385	12	17·024	2·570	49459	10	12·812	4·446
49107	14	8·160	24·430	49181	18	11·630	25·387	49312	24	12·885	0·583	49386	20	17·355	2·725	49460	16	13·336	4·689
49108	10	8·330	24·929	49182	11	11·642	25·457	49313	14	14·390	0·947	49387	18	17·429	2·258	49461	14	13·480	4·134
49109	14	8·352	24·481	49183	15	11·831	25·281	49314	11	15·635	0·351	49388	10	18·777	2·425	49462	30	13·519	4·542
49110*	25	8·473	24·727	49184	13	13·190	25·691	49315*	68	16·055	0·029	49389	10	19·187	2·527	49463	13	13·624	4·528
49111	14	8·543	24·032	49185	10	13·235	25·168	49316	17	16·918	0·586	49390	13	19·980	2·090	49464	10	14·726	4·393
49112	10	9·076	24·480	49186	9	13·553	25·828	49317	13	16·926	0·326	49391	10	20·667	2·151	49465	10	16·065	4·655
49113	10	9·210	24·419	49187	10	13·603	25·009	49318	13	18·183	0·856	49392	10	21·195	2·745	49466	27	16·098	4·496
49114	17	9·326	24·420	49188	12	13·688	25·094	49319	27	19·189	0·924	49393	23	21·227	2·733	49467	14	16·126	4·030
49115	11	9·403	24·864	49189	14	13·917	25·101	49320	10	19·865	0·360	49394	10	21·364	2·998	49468	12	16·650	4·793
49116	10	11·066	24·553	49190	13	14·163	25·923	49321	23	21·886	0·975	49395	10	21·986	2·538	49469	24	17·234	4·085
49117	10	11·149	24·805	49191	12	14·183	25·167	49322	11	21·952	0·974	49396	13	22·294	2·710	49470	9	17·434	4·624
49118	9	11·293	24·784	49192	9	14·337	25·140	49323	10	22·834	0·175	49397	10	23·000	2·810	49471	29	18·577	4·794
49119	12	11·456	24·848	49193	10	14·552	25·726	49324*	38	23·245	0·255	49398	10	23·195	2·029	49472	20	19·504	4·103
49120	10	12·140	24·485	49194	20	14·717	25·549	49325*	17	23·999	0·972	49399	11	23·384	2·716	49473	14	21·577	4·918
49121	13	12·303	24·452	49195	8	15·042	25·442	49326	16	24·887	0·363	49400	17	23·698	2·745	49474	10	21·848	4·463
49122	10	12·891	24·251	49196	9	15·083	25·596	49327	12	0·296	1·705	49401	17	23·938	2·515	49475	13	21·896	4·261
49123	9	13·053	24·348	49197	11	15·429	25·898	49328*	26	0·575	1·944	49402	19	24·062	2·395	49476	10	21·954	4·531
49124	10	13·061	24·110	49198	11	15·492	25·612	49329	20	1·646	1·953	49403	10	24·385	2·412	49477	12	22·824	4·650
49125	13	13·404	24·791	49199	6	15·872	25·950	49330	9	3·400	1·754	49404	10	24·446	2·221	49478	10	23·145	4·073
49126	10	13·557	24·741	49200	6	16·830	25·068	49331	30	3·566	1·135	49405	12	25·394	2·375	49479	10	24·144	4·618
49127	10	13·806	24·128	49201	7	17·631	25·367	49332	12	4·495	1·535	49406*	27	0·370	3·260	49480	11	24·392	4·344
49128	9	13·861	24·634	49202	9	18·172	25·539	49333	14	5·187	1·887	49407	11	4·766	3·976	49481	28	24·964	4·486
49129	11	14·298	24·481	49203	12	19·060	25·101	49334	15	5·755	1·136	49408	10	5·614	3·489	49482	10	25·237	4·556
49130	22	14·516	24·132	49204	10	19·579	25·539	49335	10	5·857	1·326	49409	22	5·758	3·909	49483	12	25·565	4·184
49131	10	14·791	24·691	49205	10	20·163	25·683	49336	10	7·069	1·036	49410	21	6·165	3·059	49484	11	1·087	5·836
49132	11	15·580	24·822	49206	20	20·426	25·367	49337*	17	7·520	1·587	49411*	39	6·356	3·045	49485	10	1·175	5·651

R. A. 19^h 34^m

Plate 1606 ; 1900 Sept. 17.

Provisional Constants.

A	B	C
−·00042	+·00532	−·6529
D	E	F
−·00531	−·00051	+·0370

Mag. = $16·9 - 1·36\sqrt{d}$

49486	20	3·237	5·175	49560*	24	4·684	7·879	49634	22	11·808	9·738	49708	21	6·776	11·873	49782	11	19·378	13·341
49487	12	3·387	5·023	49561	10	4·765	7·347	49635	10	12·669	9·126	49709	13	7·767	11·557	49783	10	20·135	13·836
49488	19	4·540	5·149	49562	14	5·775	7·280	49636	15	14·250	9·092	49710	19	8·039	11·933	49784	16	21·028	13·242
49489	16	4·805	5·828	49563	14	7·048	7·266	49637*	31	14·341	9·187	49711	26	9·115	11·805	49785	13	21·269	13·654
49490	30	5·271	5·562	49564	14	7·406	7·781	49638	16	14·838	9·777	49712	10	9·931	11·333	49786	15	21·587	13·689
49491	12	6·022	5·317	49565	14	8·129	7·206	49639	17	15·813	9·435	49713	10	11·685	11·174	49787	22	21·836	13·645
49492	22	6·279	5·417	49566	26	8·605	7·324	49640*	27	17·688	9·893	49714	31	13·078	11·461	49788	10	23·120	13·223
49493	13	8·635	5·793	49567	10	8·769	7·083	49641*	34	18·440	9·572	49715	10	13·153	11·389	49789	16	23·352	13·055
49494	23	12·283	5·154	49568	12	8·844	7·007	49642	14	19·626	9·525	49716	12	15·084	11·057	49790	20	23·540	13·736
49495	26	13·110	5·523	49569	22	9·156	7·364	49643*	34	19·918	9·720	49717	20	15·380	11·190	49791	30	23·837	13·629
49496	10	13·186	5·785	49570	18	9·450	7·474	49644	12	20·313	9·351	49718	12	15·489	11·703	49792	11	24·317	13·525
49497	14	13·252	5·535	49571	18	10·561	7·220	49645	20	20·865	9·042	49719*	40	15·660	11·975	49793	12	24·557	13·089
49498	10	14·535	5·827	49572	14	10·733	7·809	49646	10	21·275	9·495	49720	10	16·634	11·031	49794	10	25·564	13·721
49499	16	15·192	5·380	49573	11	11·385	7·885	49647	25	22·469	9·284	49721	18	16·774	11·259	49795	16	0·529	14·635
49500	16	15·222	5·185	49574	10	11·985	7·766	49648	12	23·326	9·082	49722	16	16·902	11·547	49796	10	1·246	14·226
49501	11	15·694	5·930	49575	18	12·954	7·860	49649*	29	23·771	9·417	49723	12	17·228	11·034	49797	15	2·274	14·075
49502*	22	15·964	5·884	49576	26	13·106	7·127	49650	17	23·812	9·087	49724	14	17·941	11·722	49798	12	2·555	14·965
49503	10	16·495	5·936	49577	10	13·576	7·765	49651	11	24·173	9·671	49725	10	17·993	11·813	49799	26	2·755	14·715
49504	16	16·869	5·900	49578	18	14·064	7·050	49652	12	24·565	9·209	49726	19	18·067	11·164	49800	10	2·954	14·282
49505	10	17·024	5·554	49579	20	16·836	7·117	49653	10	24·723	9·362	49727	16	21·182	11·612	49801	11	3·085	14·947
49506	28	17·043	5·736	49580	29	17·016	7·551	49654	9	25·233	9·397	49728	16	21·737	11·384	49802	12	4·059	14·780
49507	22	18·098	5·343	49581	31	17·024	7·245	49655*	46	0·178	10·169	49729	11	22·274	11·205	49803*	28	5·256	14·644
49508	10	18·773	5·635	49582*	43	17·285	7·654	49656	12	0·215	10·320	49730	13	22·922	11·694	49804	12	5·614	14·864
49509	10	18·895	5·496	49583	24	17·425	7·595	49657	22	2·564	10·742	49731	10	22·931	11·715	49805*	30	7·043	14·758
49510	12	19·072	5·876	49584	13	17·650	7·328	49658	20	2·793	10·483	49732	12	23·070	11·968	49806*	32	7·525	14·568
49511	10	20·089	5·623	49585	10	17·946	7·003	49659	10	3·085	10·301	49733	11	25·752	11·702	49807	10	8·689	14·365
49512	19	20·385	5·585	49586	11	18·334	7·202	49660	14	3·567	10·728	49734	13	25·855	11·885	49808	35	9·800	14·303
49513	24	20·405	5·824	49587	19	19·565	7·115	49661	10	5·310	10·018	49735	16	1·924	12·725	49809	12	11·158	14·568
49514	11	22·672	5·522	49588	12	21·336	7·878	49662	10	5·679	10·334	49736	17	2·706	12·874	49810	10	11·234	14·566
49515	10	22·799	5·705	49589	21	21·917	7·631	49663	12	7·053	10·035	49737	30	7·426	12·615	49811	29	11·845	14·715
49516	10	22·904	5·595	49590*	46	22·070	7·835	49664	12	7·765	10·725	49738	10	7·904	12·815	49812	25	11·965	14·205
49517	10	23·735	5·615	49591	10	23·350	7·039	49665	12	8·384	10·893	49739	19	8·056	12·817	49813	18	12·615	14·225
49518	13	23·769	5·003	49592	10	24·495	7·955	49666	11	8·651	10·077	49740	12	10·240	12·628	49814	29	14·625	14·534
49519	11	23·964	5·454	49593	12	24·644	7·254	49667*	43	8·737	10·436	49741	12	10·648	12·187	49815	24	14·697	14·116
49520	30	24·180	5·995	49594	13	25·346	7·574	49668	16	9·185	10·069	49742	11	11·903	12·575	49816	14	15·165	14·946
49521	21	25·486	5·345	49595	27	0·044	8·046	49669	26	9·819	10·330	49743*	59	14·335	12·853	49817	10	17·774	14·235
49522*	38	0·345	6·808	49596	14	0·824	8·523	49670	10	9·935	10·572	49744	30	14·425	12·375	49818	23	18·745	14·517
49523	24	0·442	6·948	49597	11	1·102	8·714	49671	14	11·495	10·156	49745	34	16·081	12·346	49819*	44	18·748	14·454
49524	16	3·110	6·865	49598	12	1·353	8·419	49672	24	11·804	10·702	49746	14	16·775	12·206	49820	11	20·615	14·354
49525	12	4·825	6·234	49599	11	2·218	8·925	49673	10	13·880	10·339	49747	19	19·886	12·575	49821	11	20·715	14·115
49526	10	6·056	6·975	49600*	22	4·046	8·067	49674	12	16·287	10·554	49748	23	21·241	12·817	49822	13	21·326	14·726
49527	10	8·326	6·574	49601	16	6·305	8·960	49675	15	16·730	10·874	49749	10	21·587	12·965	49823	20	21·827	14·056
49528	20	8·568	6·583	49602	13	6·984	8·542	49676	14	18·300	10·824	49750	22	24·104	12·389	49824	13	22·828	14·237
49529	16	8·627	6·985	49603	23	7·867	8·486	49677	14	18·395	10·336	49751	13	24·203	12·704	49825	10	23·270	14·952
49530	14	10·273	6·368	49604	10	8·477	8·376	49678	14	18·487	10·862	49752	20	24·454	12·579	49826	19	23·516	14·506
49531	14	10·315	6·898	49605	14	9·449	8·966	49679	10	19·017	10·172	49753	10	25·474	12·904	49827	13	23·885	14·287
49532	18	11·064	6·862	49606	20	9·454	8·954	49680	12	19·801	10·683	49754	10	0·511	13·397	49828	11	23·969	14·122
49533	10	11·996	6·595	49607	25	10·210	8·815	49681	16	20·055	10·478	49755	26	1·165	13·605	49829	26	24·204	14·056
49534	37	13·225	6·396	49608	25	11·501	8·072	49682	21	20·175	10·975	49756	11	3·012	13·104	49830	10	24·539	14·004
49535	10	14·167	6·282	49609	28	11·946	8·406	49683	12	20·345	10·116	49757	12	4·506	13·992	49831	30	24·834	14·446
49536	10	15·915	6·568	49610	14	12·576	8·004	49684	10	20·434	10·667	49758	12	4·826	13·757	49832	17	24·912	14·785
49537*	28	16·993	6·041	49611	26	12·750	8·702	49685	12	20·718	10·807	49759	21	5·029	13·205	49833	12	25·101	14·384
49538	13	18·758	6·805	49612	19	15·839	8·899	49686	10	21·185	10·395	49760	10	5·225	13·155	49834	10	25·993	14·186
49539	9	20·555	6·636	49613	12	18·835	8·074	49687	16	21·961	10·315	49761	10	5·235	13·626	49835	10	0·385	15·235
49540	14	20·735	6·315	49614	10	19·318	8·729	49688*	35	22·218	10·704	49762	12	5·276	13·575	49836	11	2·186	15·905
49541*	45	20·913	6·066	49615	12	20·223	8·579	49689	12	22·418	10·183	49763*	58	6·368	13·675	49837	21	2·344	15·405
49542*	55	20·986	6·805	49616	10	21·252	8·942	49690	21	22·485	10·874	49764	11	6·548	13·620	49838	16	4·146	15·792
49543	14	21·023	6·722	49617	10	21·986	8·884	49691	15	22·960	10·234	49765	19	7·254	13·319	49839	24	5·113	15·061
49544	10	21·473	6·905	49618	11	25·570	8·747	49692	10	23·150	10·234	49766	20	7·505	13·845	49840	10	5·694	15·934
49545	11	21·904	6·477	49619	10	1·487	9·537	49693	10	23·924	10·914	49767	17	8·006	13·154	49841	21	6·755	15·483
49546	12	22·045	6·383	49620	10	2·584	9·036	49694	10	24·610	10·101	49768	11	8·865	13·012	49842	20	7·075	15·135
49547	10	22·909	6·982	49621	13	3·283	9·955	49695	16	25·716	10·609	49769*	50	9·030	13·136	49843	23	7·864	15·125
49548	18	22·919	6·683	49622	12	4·201	9·141	49696	10	0·171	11·817	49770	24	9·154	13·733	49844	18	8·206	15·180
49549	16	25·005	6·546	49623	14	4·356	9·035	49697	12	1·101	11·688	49771*	41	9·213	13·982	49845	20	8·561	15·580
49550	11	25·718	6·225	49624	12	4·408	9·555	49698	10	1·237	11·331	49772	16	11·036	13·602	49846	12	10·439	15·245
49551	14	25·876	6·702	49625	12	5·254	9·194	49699	26	1·523	11·076	49773	13	14·257	13·679	49847	13	10·819	15·326
49552	66	25·890	6·251	49626	12	5·712	9·214	49700	26	2·764	11·305	49774	12	14·945	13·232	49848	14	11·576	15·647
49553	12	1·136	7·236	49627	14	5·756	9·156	49701	11	2·995	11·817	49775	13	15·867	13·896	49849	11	11·667	15·505
49554	12	1·644	7·917	49628	12	6·275	9·830	49702	24	3·113	11·945	49776	10	15·923	13·304	49850	11	12·635	15·247
49555*	40	2·114	7·570	49629	16	6·666	9·176	49703*	29	3·801	11·876	49777	11	16·625	13·155	49851	37	15·204	15·265
49556	24	3·406	7·833	49630*	29	6·825	9·471	49704*	34	3·880	11·904	49778	17	17·342	13·321	49852	16	15·953	15·611
49557	12	3·792	7·076	49631*	36	7·595	9·057	49705	22	4·085	11·027	49779*	25	18·804	13·765	49853*	59	19·583	15·035
49558	12	4·270	7·026	49632	14	7·983	9·645	49706	19	4·425	11·036	49780	11	18·903	13·497	49854	17	20·094	15·565
49559*	26	4·615	7·723	49633	34	9·374	9·274	49707	10	6·190	11·684	49781*	31	18·927	13·705	49855	9	20·937	15·359

49856	25	21.633	15.877	49930	16	14.834	17.444	50004	10	22.528	19.269	50078	10	14.420	21.194	50152	10	10.141	23.260
49857	10	22.337	15.176	49931	35	15.854	17.474	50005*	36	24.207	19.075	50079	14	14.805	21.194	50153	10	11.845	23.625
49858	11	23.304	15.436	49932	10	15.918	17.635	50006	20	24.284	19.979	50080	29	16.115	21.702	50154	14	11.905	23.276
49859	20	23.319	15.278	49933	10	16.573	17.435	50007	10	25.776	19.183	50081	13	16.456	21.336	50155	11	12.224	23.813
49860	10	23.360	15.762	49934	34	20.886	17.205	50008*	34	0.496	20.815	50082	13	17.206	21.821	50156	20	12.323	23.586
49861	21	23.561	15.983	49935	10	20.964	17.311	50009	11	1.646	20.853	50083	10	18.946	21.234	50157	14	16.545	23.605
49862	13	24.290	15.613	49936	10	22.142	17.451	50010	18	2.205	20.704	50084	10	19.975	21.574	50158	16	17.217	23.425
49863	10	25.509	15.745	49937	10	22.204	17.675	50011	10	2.517	20.526	50085	15	20.844	21.636	50159	17	18.097	23.696
49864	10	0.295	16.056	49938	13	22.256	17.146	50012	10	4.195	20.845	50086	13	21.285	21.004	50160	21	18.323	23.505
49865	18	0.395	16.896	49939	10	22.265	17.845	50013	20	4.225	20.855	50087	13	21.557	21.743	50161	16	18.445	23.045
49866	29	1.135	16.304	49940	25	23.874	17.105	50014	20	4.429	20.267	50088	10	22.162	21.275	50162	11	18.556	23.255
49867	14	2.923	16.602	49941	12	24.176	17.895	50015	21	4.645	20.420	50089	12	22.580	21.134	50163	10	19.735	23.667
49868	10	3.505	16.445	49942	10	24.225	17.116	50016	10	4.704	20.151	50090	10	23.681	21.556	50164*	26	20.115	23.224
49869*	31	3.928	16.527	49943	13	25.259	17.328	50017	30	7.358	20.305	50091	10	24.155	21.564	50165	11	20.473	23.654
49870	31	4.050	16.733	49944	10	25.286	17.393	50018	31	7.440	20.454	50092	12	24.344	21.297	50166	10	20.667	23.263
49871	14	4.504	16.365	49945	10	0.015	18.984	50019	10	7.646	20.916	50093	16	24.894	21.225	50167	17	20.825	23.472
49872	15	4.559	16.545	49946	14	1.584	18.946	50020	19	8.358	20.793	50094	27	25.330	21.268	50168	14	21.809	23.666
49873	13	4.765	16.031	49947	10	2.072	18.585	50021	24	8.931	20.593	50095	10	25.620	21.277	50169	11	22.873	23.314
49874	10	4.836	16.506	49948	10	2.350	18.504	50022	10	8.992	20.024	50096	11	25.936	21.471	50170	15	23.757	23.684
49875	17	5.026	16.716	49949	10	2.665	18.896	50023	12	9.423	20.097	50097	14	2.889	22.230	50171	14	24.295	23.952
49876	10	5.915	16.874	49950*	38	3.194	18.337	50024	12	10.019	20.996	50098	31	5.025	22.264	50172	10	25.338	23.307
49877	20	5.920	16.444	49951	10	4.860	18.049	50025	10	11.604	20.454	50099	13	7.205	22.305	50173	11	0.906	24.315
49878	12	6.405	16.345	49952	12	5.095	18.225	50026	14	11.929	20.069	50100	14	9.175	22.674	50174	11	1.315	24.563
49879	12	6.765	16.425	49953	11	5.450	18.985	50027	10	11.997	20.586	50101	12	9.825	22.736	50175*	36	4.708	24.375
49880	25	6.948	16.154	49954	10	7.005	18.100	50028	16	12.075	20.375	50102*	39	10.415	22.963	50176	13	7.205	24.295
49881	22	7.045	16.464	49955	18	7.173	18.365	50029	14	12.370	20.715	50103	12	11.807	22.946	50177	10	7.416	24.238
49882*	35	8.171	16.651	49956	17	7.325	18.448	50030	13	12.602	20.134	50104	10	12.637	22.115	50178	19	8.235	24.907
49883	13	8.392	16.414	49957	20	10.661	18.156	50031	10	12.615	20.868	50105	22	12.864	22.946	50179	16	9.017	24.424
49884	11	9.035	16.275	49958	10	12.434	18.575	50032*	38	13.805	20.915	50106	10	13.104	22.826	50180	24	9.087	24.104
49885	10	9.545	16.246	49959	13	13.055	18.694	50033	10	13.887	20.382	50107	12	13.834	22.494	50181	11	9.463	24.387
49886	15	10.028	16.346	49960	28	14.557	18.409	50034	10	14.059	20.862	50108	18	14.184	22.731	50182	10	10.615	24.785
49887	10	11.332	16.113	49961	20	15.626	18.974	50035	33	14.089	20.249	50109	10	14.486	22.036	50183	14	10.645	24.063
49888*	32	11.636	16.068	49962	10	15.886	18.196	50036	14	14.095	20.687	50110	10	14.512	22.256	50184	18	12.265	24.005
49889	17	11.965	16.801	49963	12	17.747	18.007	50037*	39	14.927	20.225	50111*	35	14.666	22.305	50185	10	12.464	24.321
49890	16	12.359	16.882	49964	11	17.751	18.397	50038*	30	16.195	20.657	50112*	9	14.831	22.846	50186	12	12.935	24.895
49891*	29	13.895	16.581	49965	11	18.578	18.746	50039	17	16.245	20.635	50113	12	14.844	22.705	50187	10	13.459	24.933
49892	12	13.915	16.683	49966	10	19.019	18.325	50040	12	18.395	20.473	50114	14	15.006	22.334	50188	12	14.534	24.062
49893*	46	14.929	16.913	49967	17	19.125	18.037	50041	10	19.920	20.548	50115	16	15.035	22.845	50189	15	15.010	24.330
49894	12	15.914	16.816	49968	14	19.464	18.456	50042	10	21.837	20.976	50116	16	15.292	22.758	50190	14	15.186	24.505
49895	11	16.424	16.462	49969	10	19.545	18.896	50043	20	21.955	20.214	50117	10	15.294	22.626	50191	16	15.415	24.764
49896	20	17.225	16.525	49970	12	21.893	18.962	50044	14	22.058	20.754	50118	12	15.916	22.528	50192	13	15.725	24.725
49897*	46	19.479	16.478	49971	10	22.587	18.315	50045	10	22.286	20.373	50119	20	15.955	22.479	50193	16	16.814	24.719
49898	10	20.865	16.702	49972	14	22.846	18.716	50046	12	22.955	20.043	50120	14	16.215	22.277	50194	22	17.335	24.705
49899	17	21.266	16.506	49973	10	23.357	18.068	50047	10	23.035	20.666	50121*	46	18.415	22.835	50195	21	17.398	24.108
49900	17	21.371	16.681	49974	10	23.629	18.606	50048	11	23.104	20.294	50122*	20	18.536	22.126	50196	27	17.435	24.905
49901	13	21.692	16.305	49975	10	23.966	18.887	50049	12	23.148	20.085	50123	13	19.197	22.405	50197	12	17.686	24.432
49902*	44	23.003	16.083	49976	13	24.675	18.155	50050*	31	23.483	20.145	50124	15	19.249	22.213	50198	10	17.805	24.966
49903	10	23.259	16.584	49977	16	25.455	18.854	50051	10	23.655	20.295	50125	16	19.406	22.027	50199	13	18.286	24.096
49904	23	23.297	16.344	49978	12	1.092	19.566	50052	11	23.946	20.225	50126	10	19.612	22.245	50200	14	18.913	24.373
49905*	40	23.325	16.625	49979	22	2.689	19.673	50053	13	24.070	20.929	50127	24	19.755	22.546	50201	15	19.077	24.296
49906	12	23.643	16.144	49980	11	2.820	19.884	50054	11	25.506	20.829	50128	15	20.715	22.595	50202*	32	19.914	24.615
49907	12	24.177	16.697	49981	13	4.137	19.385	50055	14	25.800	20.006	50129	10	21.015	22.966	50203	10	20.051	24.884
49908	11	24.402	16.615	49982	12	6.255	19.146	50056	26	1.255	21.044	50130	12	24.274	22.471	50204	13	20.126	24.203
49909	11	24.864	16.343	49983	10	7.093	19.756	50057	28	1.573	21.785	50131	12	25.334	22.807	50205	19	21.085	24.585
49910	14	25.434	16.341	49984	10	7.322	19.562	50058	11	1.726	21.034	50132	24	25.915	22.914	50206	10	21.163	24.187
49911	20	0.434	17.204	49985	11	8.296	19.145	50059	20	1.765	21.745	50133	12	0.745	23.865	50207	10	21.645	24.235
49912	15	0.856	17.655	49986*	23	9.056	19.273	50060	12	2.616	21.335	50134	15	0.867	23.516	50208	10	22.153	24.017
49913	19	0.865	17.343	49987	13	10.257	19.723	50061	12	2.635	21.606	50135	20	2.172	23.694	50209	11	22.503	24.205
49914	13	2.923	17.235	49988	11	10.618	19.646	50062	10	2.756	21.025	50136	13	3.464	23.210	50210	11	22.762	24.945
49915	12	4.814	17.724	49989	10	10.864	19.653	50063	20	3.093	21.977	50137	13	4.256	23.814	50211	11	24.965	24.176
49916	10	5.160	17.491	49990	10	11.455	19.555	50064	20	3.410	21.913	50138	12	4.495	23.565	50212	20	25.035	24.345
49917*	19	5.815	17.623	49991	12	11.962	19.415	50065	19	3.784	21.252	50139	13	5.335	23.874	50213	10	0.045	25.318
49918	22	5.975	17.830	49992*	41	12.211	19.294	50066	12	4.484	21.184	50140	10	5.380	23.048	50214	14	0.164	25.756
49919	10	6.025	17.996	49993*	46	13.540	19.334	50067	16	4.794	21.935	50141	14	5.695	23.065	50215	16	1.361	25.337
49920	10	7.344	17.638	49994	14	13.615	19.145	50068	19	6.485	21.887	50142	12	5.925	23.135	50216	14	1.965	25.184
49921	14	8.037	17.314	49995	24	15.375	19.103	50069	10	7.581	21.134	50143	14	6.054	23.946	50217	23	2.736	25.184
49922	16	8.209	17.306	49996	10	16.216	19.391	50070	16	8.215	21.874	50144	13	6.083	23.242	50218	14	3.544	25.685
49923	10	9.475	17.475	49997	10	17.046	19.422	50071	11	8.254	21.934	50145	11	7.075	23.440	50219	15	4.320	25.515
49924	20	10.355	17.405	49998*	30	17.828	19.785	50072*	43	10.874	21.060	50146	10	7.155	23.395	50220	14	7.615	25.134
49925	12	10.967	17.012	49999	11	18.543	19.192	50073*	34	11.485	21.335	50147	10	7.369	23.947	50221	11	9.319	25.572
49926	10	11.018	17.732	50000	11	20.480	19.021	50074	10	11.836	21.005	50148	10	7.525	23.635	50222	12	9.390	25.936
49927	20	11.428	17.895	50001	20	21.624	19.305	50075	12	12.750	21.001	50149	12	7.985	23.547	50223	10	9.725	25.134
49928	18	11.525	17.075	50002	12	21.870	19.767	50076	14	13.106	21.205	50150	20	9.937	23.206	50224	10	11.344	25.475
49929	14	12.195	17.683	50003	16	22.405	19.325	50077	10	14.059	21.936	50151	16	10.027	23.665	50225	16	12.115	25.645

50226	14	13·388	25·152
50227	16	14·686	25·406
50228	10	15·405	25·300
50229	10	15·615	25·704
50230	18	15·645	25·756
50231	10	16·905	25·025
50232	10	17·229	25·785
50233	10	18·444	25·326
50234	19	19·062	25·773
50235	10	19·328	25·734
50236	15	20·195	25·205
50237	11	22·263	25·272
50238	26	23·705	25·806
50239	14	24·342	25·755
50240	11	24·656	25·446
50241	13	24·849	25·767
50242	13	25·215	25·660

R. A. 19h 43m

Plate 2008; 1902 July 23.

Provisional Constants.

A	B	C
−·00060	+·00210	−·1180
D	**E**	**F**
−·00192	−·00052	−·3322

Mag. = 16·8 − 1·36$\sqrt{d}$

No.	d	x	y
50301*	56	0·385	0·022
50302*	35	0·999	0·899
50303*	25	1·151	0·726
50304	15	1·610	0·762
50305	24	2·031	0·105
50306	15	2·781	0·850
50307	13	3·035	0·839
50308*	70	3·256	0·631
50309	20	3·696	0·460
50310	15	4·296	0·089
50311	14	4·856	0·356
50312	13	4·920	0·618
50313	18	4·954	0·666
50314	38	5·331	0·489
50315	14	5·344	0·136
50316	21	5·562	0·393
50317	11	5·820	0·593
50318	16	5·896	0·417
50319	18	6·097	0·292
50320	12	6·121	0·616
50321	12	6·229	0·904
50322	14	6·332	0·597
50323	20	6·641	0·290
50324	14	7·092	0·494
50325	11	7·428	0·943
50326	20	7·513	0·341
50327	20	7·513	0·764
50328	12	8·073	0·394
50329	15	8·939	0·023
50330	10	9·027	0·736
50331	14	9·047	0·035
50332	10	9·297	0·072
50333*	32	9·648	0·811
50334	14	9·723	0·781

50335	27	10·040	0·894
50336	13	10·106	0·888
50337	14	10·181	0·522
50338	14	10·382	0·404
50339	10	10·587	0·690
50340	11	10·901	0·377
50341	10	10·923	0·638
50342	14	11·141	0·196
50343	13	11·378	0·499
50344	12	11·414	0·708
50345	10	11·970	0·538
50346	10	12·192	0·117
50347	11	12·243	0·479
50348	12	12·577	0·515
50349	12	12·753	0·883
50350	11	12·774	0·509
50351	13	13·390	0·443
50352	13	13·542	0·320
50353	10	13·799	0·902
50354	22	14·151	0·312
50355	11	14·594	0·569
50356	10	14·826	0·259
50357	18	14·834	0·292
50358	25	15·046	0·984
50359	16	15·229	0·878
50360	11	15·443	0·540
50361	20	15·474	0·630
50362	10	15·581	0·122
50363	15	15·733	0·777
50364	11	15·807	0·657
50365	11	15·963	0·648
50366	11	15·986	0·803
50367	10	16·046	0·166
50368	10	16·118	0·688
50369	21	16·440	0·587
50370	11	16·727	0·084
50371	12	17·357	0·390
50372	14	17·667	0·420
50373	12	18·038	0·867
50374	10	18·052	0·808
50375	12	18·319	0·106
50376	12	18·669	0·942
50377	11	18·860	0·678
50378	10	18·990	0·200
50379	13	19·411	0·597
50380	12	19·511	0·148
50381	10	20·269	0·946
50382	13	20·353	0·455
50383	10	20·574	0·033
50384	13	20·659	0·170
50385	12	20·756	0·624
50386	14	20·761	0·692
50387	13	21·034	0·691
50388	12	21·728	0·272
50389	11	21·772	0·242
50390*	27	22·097	0·070
50391	12	22·196	0·982
50392	13	22·234	0·664
50393	12	22·428	0·032
50394	13	22·854	0·264
50395	11	23·584	0·440
50396	13	23·951	0·371
50397	15	24·337	0·265
50398	12	24·356	0·987
50399	13	24·442	0·525
50400	15	1·621	1·968
50401	15	1·734	1·961
50402	12	1·905	1·393
50403	15	1·970	1·304
50404	19	2·396	1·102
50405	14	2·482	1·496
50406	13	2·625	1·844
50407	15	2·638	1·936
50408	17	3·029	1·553

50409	14	3·043	1·604
50410	13	3·543	1·884
50411	13	3·670	1·692
50412	14	3·687	1·324
50413	13	4·421	1·959
50414	16	4·924	1·128
50415	19	4·957	1·720
50416	14	5·705	1·860
50417	14	5·861	1·245
50418	17	5·885	1·233
50419	11	5·954	1·527
50420	12	6·037	1·960
50421	12	6·070	1·944
50422	14	6·112	1·223
50423	16	6·645	1·507
50424	14	6·920	1·030
50425	11	7·051	1·700
50426	12	7·087	1·399
50427	10	7·561	1·947
50428	14	7·694	1·081
50429	15	7·830	1·669
50430	9	7·969	1·430
50431	15	8·101	1·468
50432	14	8·402	1·503
50433	10	8·417	1·502
50434	11	8·420	1·235
50435	10	8·522	1·989
50436	11	8·560	1·781
50437	14	8·570	1·421
50438	13	9·091	1·400
50439	11	9·693	1·786
50440	24	9·766	1·666
50441	19	9·897	1·648
50442	12	9·925	1·661
50443	10	10·095	1·212
50444	11	10·528	1·764
50445	12	10·737	1·634
50446	14	11·218	1·301
50447	14	11·476	1·562
50448	10	11·941	1·664
50449	11	12·120	1·643
50450	12	12·196	1·559
50451	9	12·806	1·242
50452	9	12·817	1·611
50453	10	12·932	1·132
50454	10	12·974	1·910
50455	11	13·012	1·660
50456	11	13·029	1·830
50457*	27	13·546	1·162
50458	10	13·991	1·337
50459	10	14·011	1·375
50460	10	14·201	1·611
50461	12	14·345	1·039
50462	21	14·471	1·078
50463	10	14·486	1·682
50464	12	15·480	1·241
50465	10	15·811	1·277
50466	9	15·822	1·261
50467	11	16·711	1·930
50468	10	16·911	1·340
50469	13	17·416	1·385
50470	9	17·455	1·053
50471	11	17·827	1·544
50472	11	18·041	1·906
50473	11	18·438	1·901
50474	9	18·795	1·764
50475	11	19·237	1·867
50476*	25	19·272	1·633
50477	10	19·623	1·692
50478	11	19·748	1·982
50479	11	20·241	1·117
50480	11	20·245	1·867
50481	12	20·271	1·624
50482	11	20·440	1·365

50483	11	20·740	1·557
50484	20	20·883	1·005
50485	20	20·959	1·113
50486	12	21·024	1·311
50487	11	21·276	1·841
50488	11	21·479	1·391
50489	10	22·179	1·843
50490	10	22·239	1·780
50491	11	22·244	1·600
50492	14	22·593	1·240
50493*	18	25·211	1·091
50494	15	0·184	2·585
50495	16	0·566	2·482
50496	22	0·882	2·506
50497	15	1·087	2·170
50498	24	1·117	2·271
50499	23	1·237	2·148
50500	15	1·562	2·162
50501	18	2·041	2·972
50502	22	2·385	2·796
50503	18	2·570	2·109
50504	35	3·333	2·151
50505	20	3·706	2·911
50506	13	4·630	2·923
50507	14	4·688	2·398
50508	14	5·166	2·127
50509	10	5·289	2·958
50510	13	5·539	2·906
50511	13	5·635	2·690
50512	21	5·932	2·241
50513	12	5·974	2·137
50514	25	6·170	2·047
50515	12	6·399	2·201
50516	12	8·198	2·591
50517	10	8·219	2·058
50518	14	8·258	2·222
50519	10	8·464	2·586
50520	13	9·425	2·026
50521	11	9·607	2·700
50522	14	9·688	2·350
50523	11	9·906	2·949
50524	13	9·924	2·134
50525	12	10·247	2·748
50526*	37	10·437	2·101
50527	10	10·981	2·556
50528	10	11·157	2·554
50529	10	11·492	2·051
50530	20	11·578	2·380
50531	13	12·083	2·242
50532	11	12·244	2·332
50533*	38	12·601	2·898
50534	13	13·203	2·393
50535*	30	14·283	2·794
50536	11	14·576	2·785
50537	13	14·752	2·959
50538	11	15·292	2·201
50539	10	15·500	2·881
50540*	20	15·809	2·971
50541	12	16·018	2·713
50542	10	16·152	2·219
50543	10	16·171	2·650
50544	12	16·257	2·517
50545	11	16·639	2·476
50546	11	16·741	2·210
50547	14	17·294	2·035
50548	11	17·522	2·494
50549	17	17·826	2·493
50550	11	18·312	2·287
50551	11	18·969	2·845
50552	10	18·977	2·294
50553	17	19·000	2·021
50554	11	19·149	2·418
50555	10	19·496	2·034
50556	21	19·618	2·063

50557	11	20·079	2·627
50558	10	21·026	2·404
50559	13	21·152	2·920
50560	10	21·206	2·782
50561	9	21·522	2·615
50562	11	22·031	2·039
50563	12	22·166	2·802
50564	24	22·299	2·114
50565	10	22·733	2·125
50566	24	23·086	2·290
50567	10	23·399	2·714
50568	9	23·737	2·979
50569	14	24·197	2·891
50570	12	24·240	2·552
50571	12	24·523	2·372
50572	15	0·349	3·843
50573	17	0·812	3·746
50574	16	0·975	3·329
50575	13	0·982	3·957
50576	31	1·691	3·386
50577	14	2·201	3·492
50578	14	2·772	3·911
50579	24	3·006	3·419
50580	20	3·405	3·577
50581	21	3·844	3·659
50582	13	4·324	3·587
50583	12	4·343	3·695
50584	14	5·118	3·716
50585	12	5·139	3·027
50586	11	5·464	3·314
50587	14	5·932	3·848
50588	12	5·971	3·303
50589	14	6·866	3·747
50590	13	6·928	3·600
50591	11	7·157	3·929
50592	9	7·191	3·719
50593	10	7·363	3·971
50594	20	7·394	3·546
50595	12	7·709	3·048
50596	11	8·614	3·177
50597	11	9·069	3·335
50598	10	9·270	3·506
50599	11	9·363	3·384
50600	12	10·035	3·363
50601	10	10·117	3·197
50602	11	10·225	3·682
50603	21	10·382	3·306
50604	10	10·419	3·327
50605	13	10·587	3·117
50606	11	10·761	3·723
50607	11	10·908	3·476
50608	10	11·552	3·197
50609	12	11·554	3·929
50610	13	11·840	3·449
50611	13	12·050	3·910
50612	11	12·193	3·345
50613	13	12·482	3·570
50614	13	13·053	3·146
50615	20	13·262	3·675
50616	10	13·512	3·768
50617	10	13·758	3·601
50618	16	14·147	3·424
50619	10	14·373	3·597
50620	11	14·555	3·735
50621	15	14·742	3·329
50622*	26	14·890	3·683
50623	12	15·118	3·960
50624	13	15·227	3·133
50625	12	15·570	3·090
50626	11	16·114	3·785
50627	13	16·308	3·001
50628	12	16·312	3·120
50629	11	16·372	3·029
50630	14	16·520	3·066

50631	11	16·568	3·170	50705	16	13·558	4·060	50779	11	8·259	5·747	50853	11	7·339	6·262	50927	10	4·171	7·822
50632	10	16·729	3·453	50706	11	14·533	4·969	50780	11	8·411	5·782	50854	10	7·449	6·470	50928	26	4·299	7·323
50633*	14	17·002	3·041	50707	14	14·892	4·079	50781	12	8·911	5·574	50855	11	7·610	6·765	50929	15	4·444	7·612
50634	13	17·040	3·696	50708	10	15·361	4·328	50782	17	10·049	5·640	50856	16	7·719	6·499	50930	22	4·649	7·995
50635	11	17·107	3·260	50709	14	15·469	4·899	50783	11	10·171	5·372	50857	11	7·793	6·663	50931	15	5·657	7·466
50636	12	17·199	3·298	50710	10	15·502	4·449	50784*	31	10·476	5·063	50858	11	8·455	6·850	50932	10	5·841	7·332
50637	10	17·272	3·884	50711	14	16·131	4·559	50785	10	10·523	5·593	50859	11	9·182	6·084	50933	10	5·890	7·764
50638	14	17·569	3·958	50712	13	16·319	4·910	50786	11	10·846	5·532	50860	12	9·271	6·359	50934	26	6·022	7·757
50639	12	17·597	3·130	50713	13	16·394	4·481	50787	10	11·146	5·749	50861	15	9·280	6·850	50935	18	6·088	7·236
50640	11	17·919	3·347	50714	12	16·472	4·521	50788	12	11·338	5·994	50862	14	9·371	6·899	50936	14	6·175	7·826
50641	12	17·963	3·644	50715	10	16·603	4·081	50789	10	11·436	5·900	50863	24	9·390	6·584	50937	11	6·270	7·340
50642*	16	18·625	3·009	50716	14	16·965	4·864	50790	23	11·702	5·466	50864	10	9·428	6·255	50938	14	6·552	7·704
50643	11	20·188	3·239	50717	10	17·079	4·305	50791	12	11·794	5·586	50865	10	10·532	6·996	50939	14	6·727	7·609
50644	12	21·136	3·611	50718	9	17·112	4·662	50792	11	13·243	5·794	50866	11	10·732	6·060	50940	21	6·837	7·167
50645	10	21·165	3·564	50719	10	17·177	4·162	50793	14	13·386	5·014	50867	11	11·470	6·537	50941	10	6·843	7·984
50646	25	21·175	3·016	50720	14	17·259	4·884	50794	18	13·541	5·756	50868	12	11·938	6·964	50942	13	6·899	7·381
50647	10	21·952	3·288	50721	21	17·499	4·615	50795	11	13·771	5·658	50869	10	12·058	6·306	50943	12	7·114	7·199
50648	13	22·219	3·973	50722	10	17·585	4·928	50796	16	14·231	5·330	50870	13	12·139	6·060	50944	13	7·338	7·485
50649	10	23·192	3·811	50723	13	17·722	4·857	50797	15	14·292	5·548	50871	10	12·337	6·501	50945	12	7·850	7·376
50650	10	23·209	3·337	50724	10	17·780	4·872	50798	11	14·332	5·885	50872	18	12·364	6·114	50946	13	8·079	7·648
50651	12	23·684	3·825	50725	11	17·909	4·077	50799	10	14·412	5·242	50873	13	12·956	6·678	50947	10	8·171	7·563
50652	14	24·093	3·297	50726	12	18·113	4·874	50800	11	14·552	5·969	50874	21	13·056	6·444	50948	10	8·192	7·299
50653	13	24·102	3·104	50727	10	18·441	4·379	50801	10	14·559	5·558	50875	10	13·351	6·902	50949	10	8·305	7·397
50654	13	24·624	3·283	50728	11	19·802	4·601	50802	27	14·889	5·182	50876	27	14·332	6·442	50950*	32	8·765	7·348
50655	11	24·724	3·650	50729	10	20·200	4·243	50803	12	15·018	5·216	50877	12	14·931	6·692	50951	14	8·978	7·932
50656	13	25·753	3·450	50730	11	20·414	4·950	50804	11	15·429	5·259	50878	14	15·348	6·203	50952	12	9·775	7·092
50657	15	25·824	3·639	50731	10	20·492	4·237	50805	13	15·566	5·168	50879	12	15·451	6·187	50953	14	9·819	7·081
50658	20	0·036	4·428	50732	12	20·781	4·976	50806	11	15·785	5·670	50880	30	15·472	6·701	50954	10	10·120	7·011
50659	10	0·518	4·684	50733	15	21·488	4·626	50807	12	16·880	5·731	50881	13	15·571	6·613	50955	13	11·077	7·524
50660	12	0·989	4·763	50734	12	21·862	4·398	50808	11	17·208	5·891	50882	21	16·128	6·084	50956	10	11·239	7·971
50661	15	1·356	4·372	50735*	22	22·357	4·090	50809	14	17·961	5·702	50883	12	16·148	6·103	50957	11	11·684	7·386
50662	13	1·599	4·093	50736	10	22·384	4·906	50810	10	18·022	5·120	50884	11	16·459	6·430	50958	17	11·776	7·870
50663	11	2·018	4·714	50737	11	23·431	4·379	50811	13	19·464	5·435	50885	12	17·105	6·790	50959	10	11·862	7·041
50664	31	2·173	4·230	50738	12	23·644	4·779	50812	11	20·194	5·952	50886	20	17·349	6·482	50960	13	11·891	7·838
50665	13	2·449	4·293	50739	19	23·767	4·770	50813	10	20·690	5·747	50887	13	17·449	6·784	50961	11	12·078	7·271
50666	14	3·354	4·899	50740	10	23·788	4·921	50814	11	21·053	5·530	50888	14	17·726	6·051	50962	20	12·165	7·509
50667	21	3·649	4·077	50741	10	23·824	4·784	50815	13	21·389	5·587	50889	15	17·766	6·072	50963	20	12·743	7·253
50668	11	3·864	4·421	50742	10	24·051	4·727	50816	9	21·701	5·525	50890	12	17·948	6·471	50964	11	12·764	7·508
50669	12	4·281	4·487	50743	14	24·072	4·880	50817	12	21·735	5·780	50891	11	17·989	6·468	50965*	49	13·811	7·757
50670	11	4·577	4·706	50744	22	24·099	4·570	50818	12	22·703	5·173	50892	10	18·705	6·261	50966	10	13·873	7·791
50671	16	4·953	4·944	50745	10	24·100	4·072	50819	12	23·696	5·306	50893	10	19·354	6·305	50967	10	14·471	7·823
50672	14	4·973	4·522	50746	11	24·443	4·020	50820	15	23·879	5·349	50894	11	19·610	6·971	50968	10	14·791	7·167
50673	16	5·584	4·301	50747	14	25·662	4·509	50821	11	23·921	5·806	50895	15	19·794	6·411	50969	13	14·864	7·111
50674	11	6·017	4·384	50748	10	25·990	4·490	50822	10	24·032	5·480	50896	12	20·119	6·039	50970	12	14·962	7·095
50675	13	6·091	4·811	50749	15	0·031	5·480	50823	10	24·169	5·976	50897	10	20·528	6·812	50971	10	15·592	7·280
50676	13	6·093	4·120	50750	15	0·134	5·369	50824	13	25·073	5·991	50898	10	21·301	6·690	50972	12	15·690	7·246
50677	11	6·378	4·964	50751	15	0·968	5·376	50825	11	25·155	5·824	50899	17	21·626	6·232	50973	19	15·931	7·770
50678	10	6·577	4·355	50752	16	1·192	5·209	50826	16	25·807	5·899	50900	16	21·639	6·211	50974*	29	16·857	7·606
50679	10	6·972	4·016	50753	41	1·416	5·748	50827	11	25·881	5·766	50901	11	21·712	6·235	50975*	40	17·374	7·605
50680	10	7·098	4·501	50754	22	2·712	5·077	50828	18	0·162	6·753	50902	9	21·726	6·816	50976	11	17·771	7·143
50681	11	7·513	4·296	50755	14	2·778	5·418	50829	22	0·170	6·457	50903*	43	21·919	6·803	50977	11	18·017	7·609
50682	10	7·593	4·438	50756	13	2·891	5·769	50830	15	0·606	6·805	50904	8	21·967	6·532	50978	14	18·590	7·142
50683	14	8·233	4·211	50757	15	2·960	5·952	50831	12	1·322	6·764	50905	10	22·165	6·368	50979	17	18·607	7·801
50684	10	8·941	4·064	50758*	72	3·131	5·976	50832	13	1·900	6·997	50906	10	22·327	6·445	50980	10	19·400	7·071
50685	13	9·140	4·125	50759	17	3·383	5·635	50833	22	2·251	6·284	50907	9	22·602	6·959	50981	10	19·426	7·054
50686	16	9·326	4·570	50760	16	3·857	5·400	50834	19	3·125	6·426	50908	11	22·882	6·513	50982	13	19·750	7·183
50687	12	9·344	4·196	50761	26	4·072	5·203	50835	11	3·326	6·069	50909	10	23·464	6·090	50983	16	20·004	7·181
50688	16	9·681	4·697	50762*	37	4·102	5·029	50836	12	3·384	6·461	50910	10	23·540	6·699	50984	12	20·016	7·020
50689	20	9·704	4·351	50763	13	4·233	5·581	50837	11	3·647	6·006	50911	15	23·598	6·664	50985	10	20·047	7·746
50690	10	10·170	4·718	50764	19	4·291	5·544	50838	10	3·937	6·228	50912	11	23·989	6·279	50986	21	20·093	7·371
50691	10	10·178	4·869	50765	12	4·309	5·980	50839	10	4·240	6·549	50913	10	24·356	6·335	50987*	25	20·111	7·999
50692	12	10·401	4·811	50766	20	4·432	5·078	50840	10	4·588	6·223	50914	8	24·396	6·044	50988	11	20·150	7·960
50693	10	10·555	4·270	50767	18	4·796	5·658	50841	11	4·682	6·327	50915	11	24·676	6·982	50989	13	20·383	7·400
50694	13	10·585	4·541	50768	10	4·796	5·311	50842	11	4·775	6·052	50916	13	24·711	6·789	50990	11	20·483	7·470
50695	13	11·127	4·506	50769	12	5·235	5·691	50843	15	4·797	6·111	50917	17	24·989	6·434	50991	10	20·497	7·992
50696	12	11·897	4·473	50770	13	5·267	5·730	50844	12	4·991	6·534	50918	18	25·181	6·047	50992	10	20·679	7·544
50697	20	11·908	4·092	50771	20	6·238	5·665	50845	13	5·206	6·128	50919	14	25·368	6·947	50993	10	20·761	7·081
50698	10	12·018	4·628	50772	10	6·690	5·101	50846	10	5·236	6·737	50920	10	25·416	6·970	50994	14	20·997	7·821
50699	24	12·189	4·622	50773	10	6·743	5·179	50847	17	5·667	6·881	50921	11	25·760	6·594	50995	11	21·419	7·104
50700	12	12·249	4·111	50774	10	6·812	5·290	50848	10	5·930	6·002	50922	15	1·765	7·704	50996	10	21·476	7·684
50701	13	12·417	4·131	50775	23	6·821	5·696	50849	16	6·396	6·221	50923	13	2·081	7·157	50997	13	21·575	7·584
50702	20	12·474	4·251	50776	10	6·849	5·245	50850	10	6·563	6·761	50924	14	2·608	7·307	50998	11	21·794	7·876
50703	11	12·842	4·900	50777	12	7·420	5·606	50851	13	7·116	6·200	50925	10	3·316	7·467	50999	20	21·887	7·981
50704	16	13·348	4·480	50778	13	7·979	5·261	50852	12	7·166	6·221	50926	11	4·032	7·594	51000	12	21·919	7·508

51001	10	21·928	7·552	51075	12	19·619	8·921	51149	17	16·728	9·715	51223*	42	12·325	10·097	51297	13	5·709	11·727
51002	20	22·071	7·526	51076	11	20·175	8·583	51150	13	17·004	9·062	51224	13	12·867	10·573	51298	11	5·965	11·267
51003	11	22·139	7·021	51077	16	20·466	8·901	51151	12	18·621	9·624	51225	15	14·053	10·728	51299	10	5·977	11·450
51004	11	22·525	7·333	51078	10	20·726	8·369	51152	13	18·719	9·602	51226	25	14·061	10·635	51300	11	5·977	11·189
51005	10	22·547	7·516	51079	10	20·973	8·205	51153	11	19·059	9·319	51227	19	14·239	10·022	51301	9	6·156	11·929
51006	11	22·677	7·526	51080	16	21·092	8·293	51154	17	19·452	9·347	51228	13	14·287	10·131	51302	9	6·558	11·215
51007	10	22·749	7·754	51081	13	21·444	8·348	51155	18	19·951	9·951	51229	13	14·407	10·695	51303	11	6·657	11·344
51008	20	22·938	7·344	51082	10	22·005	8·453	51156	15	20·419	9·607	51230	13	15·001	10·855	51304	10	7·489	11·851
51009	10	23·054	7·833	51083	10	22·038	8·401	51157	11	21·175	9·346	51231	14	15·273	10·899	51305	9	7·707	11·427
51010	11	23·377	7·032	51084	10	22·588	8·221	51158	19	21·404	9·235	51232	31	15·549	10·553	51306	18	8·277	11·787
51011	10	23·682	7·575	51085	25	22·652	8·492	51159	11	21·418	9·946	51233	15	15·592	10·394	51307	20	8·653	11·968
51012	10	23·696	7·370	51086	12	22·730	8·129	51160	10	21·672	9·210	51234	13	15·868	10·242	51308	13	8·832	11·952
51013	11	24·612	7·609	51087	10	23·201	8·535	51161*	21	21·724	9·941	51235	14	17·257	10·180	51309	14	9·201	11·886
51014	10	24·639	7·607	51088	21	23·288	8·867	51162	20	22·108	9·697	51236	12	17·547	10·168	51310	11	9·374	11·340
51015	14	24·674	7·455	51089	12	23·350	8·053	51163	14	22·236	9·769	51237	12	17·666	10·865	51311	15	9·530	11·968
51016	14	0·363	8·125	51090	12	23·553	8·520	51164	14	22·949	9·672	51238	15	18·893	10·049	51312	12	10·711	11·072
51017	25	0·618	8·847	51091	11	23·576	8·678	51165	11	23·367	9·203	51239	12	19·359	10·551	51313	11	11·175	11·705
51018	15	0·799	8·200	51092	12	23·755	8·850	51166	10	23·815	9·694	51240	10	19·444	10·291	51314	11	12·549	11·343
51019	22	1·101	8·846	51093	11	24·201	8·311	51167	11	24·056	9·671	51241	11	19·736	10·078	51315	20	13·270	11·148
51020	10	1·215	8·500	51094	10	24·852	8·679	51168	13	24·106	9·748	51242	11	20·344	10·709	51316	20	14·926	11·343
51021	11	1·271	8·217	51095	12	25·168	8·152	51169	10	24·120	9·959	51243	10	20·482	10·988	51317	19	15·346	11·842
51022	16	1·854	8·954	51096	11	25·312	8·340	51170	14	24·261	9·340	51244	13	20·633	10·809	51318	13	16·368	11·363
51023	14	2·853	8·480	51097	13	25·767	8·224	51171	14	24·822	9·188	51245	10	21·670	10·211	51319	15	16·391	11·145
51024	12	2·951	8·595	51098*	37	1·066	9·175	51172	15	24·953	9·826	51246	11	22·568	10·040	51320	14	16·744	11·281
51025	12	3·298	8·717	51099	14	1·472	9·422	51173	11	25·375	9·469	51247	12	22·672	10·401	51321	10	17·023	11·768
51026	11	3·437	8·352	51100	14	1·481	9·091	51174	20	25·611	9·216	51248	16	22·756	10·237	51322	15	17·749	11·586
51027	14	3·664	8·936	51101	13	1·773	9·053	51175	11	25·838	9·591	51249	12	23·013	10·731	51323	13	18·289	11·511
51028	10	3·700	8·787	51102	13	1·916	9·844	51176	15	0·270	10·007	51250	11	23·546	10·905	51324	14	18·579	11·010
51029	16	4·010	8·952	51103	12	2·015	9·106	51177	11	0·458	10·000	51251	11	23·588	10·762	51325	11	18·906	11·438
51030	14	4·152	8·278	51104	13	2·527	9·132	51178	12	0·492	10·995	51252	14	23·594	10·459	51326	18	19·093	11·150
51031	12	4·220	8·908	51105	11	2·529	9·673	51179	13	0·713	10·409	51253	10	23·755	10·278	51327	10	19·233	11·967
51032	11	4·544	8·018	51106	13	3·473	9·659	51180	15	1·242	10·670	51254	10	23·777	10·474	51328	13	19·730	11·247
51033	15	4·967	8·127	51107	14	3·499	9·684	51181	13	1·632	10·288	51255	12	23·784	10·841	51329	13	20·384	11·307
51034	10	5·199	8·421	51108	17	3·615	9·881	51182	13	2·094	10·265	51256	14	23·874	10·431	51330	11	20·645	11·036
51035	9	5·475	8·976	51109*	28	3·645	9·043	51183	12	2·154	10·270	51257	12	24·025	10·295	51331	14	20·964	11·923
51036	10	5·899	8·600	51110	21	3·659	9·418	51184	13	2·264	10·349	51258	11	24·126	10·102	51332	10	21·354	11·136
51037	21	6·235	8·928	51111	10	3·727	9·640	51185	11	2·434	10·213	51259	10	24·229	10·990	51333	14	21·601	11·734
51038	10	6·323	8·893	51112	10	4·230	9·557	51186	10	2·741	10·498	51260	10	24·305	10·109	51334	10	21·887	11·037
51039	16	6·442	8·664	51113	11	4·415	9·311	51187	16	3·032	10·337	51261	10	24·406	10·835	51335	10	22·075	11·479
51040	14	6·581	8·194	51114	19	4·508	9·111	51188	10	3·432	10·067	51262	10	24·588	10·383	51336	12	22·316	11·741
51041	10	6·647	8·226	51115	11	4·935	9·611	51189	11	3·590	10·598	51263	20	24·627	10·409	51337	14	22·657	11·043
51042	20	6·710	8·220	51116	11	5·138	9·389	51190	12	3·964	10·622	51264	10	24·662	10·736	51338	13	22·761	11·151
51043	10	6·884	8·591	51117	10	5·194	9·182	51191	10	3·982	10·448	51265	12	24·732	10·959	51339	12	23·123	11·175
51044	10	6·892	8·533	51118	14	5·222	9·706	51192	19	4·458	10·904	51266	10	24·816	10·482	51340	11	23·536	11·231
51045	11	6·979	8·722	51119	10	5·296	9·449	51193	12	4·643	10·235	51267	17	25·102	10·579	51341	13	23·828	11·576
51046	14	7·622	8·646	51120	20	5·309	9·497	51194	10	4·679	10·744	51268	10	25·230	10·886	51342	11	23·866	11·938
51047	10	7·891	8·179	51121	12	6·180	9·161	51195	12	5·211	10·900	51269	17	25·249	10·944	51343	12	23·888	11·964
51048	11	7·944	8·641	51122	11	7·056	9·231	51196	10	5·219	10·892	51270	11	25·330	10·054	51344	10	23·901	11·131
51049	12	7·975	8·600	51123	10	7·412	9·391	51197	12	5·451	10·100	51271	10	25·337	10·881	51345	11	23·919	11·901
51050	10	8·736	8·171	51124	11	7·463	9·778	51198	11	5·580	10·455	51272	10	25·498	10·725	51346	10	24·312	11·784
51051	20	8·871	8·800	51125	20	7·616	9·091	51199	24	5·970	10·126	51273	22	25·569	10·336	51347	10	24·452	11·961
51052	10	9·278	8·937	51126	12	8·599	9·510	51200	13	6·084	10·840	51274	18	25·631	10·645	51348	11	24·706	11·601
51053	12	9·808	8·581	51127	18	8·903	9·486	51201	11	6·149	10·832	51275	21	25·667	10·417	51349	10	25·031	11·743
51054	12	10·585	8·055	51128	10	9·054	9·926	51202	13	6·391	10·811	51276	12	0·129	11·843	51350	10	25·109	11·317
51055	14	11·565	8·720	51129	14	9·538	9·215	51203	10	7·393	10·553	51277	19	0·256	11·464	51351	20	25·134	11·258
51056	13	11·804	8·638	51130	11	10·159	9·364	51204	13	7·591	10·210	51278	15	0·264	11·489	51352*	45	25·138	11·299
51057	10	11·929	8·335	51131*	39	10·541	9·111	51205	9	7·609	10·844	51279	15	0·407	11·739	51353	11	25·253	11·514
51058	13	12·536	8·159	51132	10	10·966	9·869	51206	10	8·229	10·331	51280	13	1·453	11·153	51354	21	25·647	11·950
51059	12	12·686	8·410	51133	13	11·131	9·951	51207	12	8·651	10·134	51281	14	1·641	11·069	51355	14	25·776	11·681
51060	14	12·783	8·110	51134	13	11·471	9·125	51208	12	8·901	10·209	51282	11	2·102	11·461	51356	17	25·778	11·602
51061	12	13·361	8·040	51135	12	11·565	9·257	51209	16	9·170	10·379	51283	10	2·203	11·899	51357	9	25·930	11·465
51062	17	13·712	8·319	51136	12	12·114	9·129	51210	15	9·189	10·877	51284	10	3·062	11·717	51358	15	0·057	12·456
51063*	38	14·022	8·421	51137	13	12·150	9·876	51211	10	9·277	10·241	51285	13	3·083	11·427	51359	14	0·481	12·990
51064	12	14·581	8·863	51138	20	12·732	9·664	51212	14	9·324	10·654	51286	10	3·112	11·501	51360	23	0·710	12·820
51065	11	14·801	8·413	51139	11	12·749	9·114	51213	12	9·573	10·858	51287	15	3·192	11·609	51361	14	0·819	12·759
51066	12	15·144	8·082	51140	13	13·230	9·181	51214	14	9·575	10·377	51288	12	3·859	11·038	51362	13	0·896	12·505
51067	13	16·641	8·786	51141	23	13·794	9·760	51215	15	10·591	10·825	51289	10	4·057	11·529	51363	13	1·291	12·122
51068	11	17·420	8·971	51142	20	13·921	9·056	51216	12	10·879	10·153	51290	23	4·164	11·463	51364	27	1·449	12·141
51069	11	17·727	8·539	51143	18	13·924	9·321	51217	17	10·897	10·173	51291	10	4·500	11·197	51365	18	1·553	12·454
51070	10	18·273	8·511	51144*	43	14·241	9·793	51218	11	10·968	10·640	51292	13	4·503	11·274	51366	24	1·803	12·327
51071	11	18·287	8·312	51145	12	14·722	9·925	51219	12	11·178	10·327	51293	12	4·827	11·454	51367	14	1·913	12·834
51072	11	19·184	8·495	51146	12	15·962	9·461	51220	14	11·309	10·184	51294	10	4·875	11·529	51368	12	2·205	12·400
51073	12	19·326	8·520	51147	13	16·218	9·852	51221	14	11·890	10·050	51295	10	5·057	11·151	51369	14	2·829	12·635
51074	14	19·434	8·442	51148	21	16·422	9·887	51222	12	12·182	10·876	51296	14	5·172	11·151	51370	10	2·933	12·601

51371	12	3·754	12·337	51445	13	0·239	13·752	51519	15	25·940	13·253	51593	21	25·902	14·885	51667	11	21·839	15·356
51372	19	4·389	12·498	51446	13	0·274	13·305	51520	14	0·206	14·011	51594	10	25·991	14·300	51668	10	21·901	15·864
51373	13	4·641	12·819	51447	28	0·908	13·498	51521	15	0·658	14·719	51595	15	0·170	15·668	51669	13	22·323	15·638
51374	19	4·861	12·117	51448	35	1·205	13·387	51522	12	0·667	14·086	51596*	70	0·411	15·852	51670	19	22·493	15·909
51375	14	5·365	12·957	51449	15	1·345	13·877	51523	24	0·899	14·268	51597	16	0·702	15·201	51671	10	22·986	15·837
51376	11	5·945	12·684	51450	32	1·577	13·808	51524	19	1·263	14·044	51598	22	0·714	15·044	51672	10	23·163	15·407
51377	17	6·063	12·486	51451	13	1·579	13·604	51525	15	1·907	14·524	51599	14	0·764	15·525	51673*	24	23·191	15·792
51378	14	6·299	12·602	51452	15	1·683	13·274	51526	29	2·212	14·190	51600	24	0·970	15·744	51674	11	23·362	15·330
51379	13	7·935	12·472	51453	13	1·913	13·749	51527	19	2·296	14·523	51601	15	1·051	15·901	51675	10	23·598	15·319
51380	20	8·256	12·481	51454	10	2·152	13·219	51528	14	2·481	14·120	51602	15	1·303	15·307	51676	13	24·066	15·283
51381	12	8·591	12·270	51455	10	2·707	13·218	51529	11	3·879	14·829	51603	16	1·688	15·360	51677	17	24·132	15·157
51382	13	9·004	12·771	51456	11	2·851	13·534	51530	11	4·456	14·278	51604	15	2·063	15·340	51678	12	24·766	15·481
51383	10	9·167	12·993	51457	13	2·932	13·449	51531	10	4·547	14·284	51605	13	2·744	15·181	51679	10	24·869	15·088
51384	13	9·277	12·637	51458	14	3·367	13·907	51532	13	4·568	14·241	51606	14	2·747	15·313	51680	10	25·037	15·905
51385	10	9·586	12·362	51459	13	3·714	13·231	51533	11	4·844	14·725	51607	11	2·758	15·031	51681	12	25·355	15·057
51386	16	9·903	12·765	51460	11	3·832	13·025	51534	21	5·788	14·507	51608	10	2·912	15·170	51682	23	25·406	15·644
51387	15	9·999	12·399	51461	10	4·094	13·838	51535	10	6·829	14·148	51609	14	2·912	15·473	51683	12	25·760	15·317
51388	12	10·049	12·821	51462*	25	4·200	13·344	51536	10	6·853	14·785	51610	11	3·642	15·146	51684	15	0·191	16·279
51389	10	10·260	12·133	51463	21	4·227	13·835	51537	11	7·176	14·411	51611	12	4·176	15·825	51685	14	0·560	16·341
51390	14	10·568	12·759	51464	10	4·252	13·779	51538	19	7·434	14·632	51612	10	4·294	15·300	51686	15	0·676	16·350
51391	16	11·529	12·022	51465	10	4·767	13·666	51539	19	7·738	14·483	51613	10	4·354	15·232	51687	22	0·710	16·110
51392	13	11·750	12·871	51466	18	5·287	13·866	51540	13	7·833	14·616	51614	20	4·404	15·187	51688*	59	0·745	16·391
51393	14	12·847	12·941	51467	10	5·511	13·914	51541	14	8·200	14·320	51615	11	4·907	15·986	51689	15	0·815	16·477
51394	14	13·524	12·746	51468	10	5·668	13·030	51542	10	8·451	14·139	51616	10	4·917	15·226	51690	28	1·298	16·861
51395	13	14·487	12·979	51469	10	5·725	13·577	51543*	50	8·755	14·826	51617	9	5·864	15·035	51691	15	1·600	16·447
51396	15	14·909	12·943	51470	10	5·774	13·145	51544	15	8·791	14·212	51618	14	5·934	15·571	51692	13	1·651	16·866
51397	14	15·161	12·750	51471	10	6·335	13·644	51545	10	8·821	14·640	51619	11	6·199	15·176	51693	15	1·820	16·359
51398	12	15·601	12·150	51472	18	6·392	13·550	51546	14	8·850	14·839	51620	11	6·270	15·374	51694	14	2·276	16·080
51399	14	15·668	12·711	51473	11	6·419	13·871	51547	11	9·323	14·915	51621	10	6·453	15·169	51695	10	2·367	16·220
51400	14	15·956	12·118	51474	10	7·628	13·105	51548	12	9·560	14·531	51622	11	6·937	15·098	51696	17	2·845	16·069
51401*	33	16·028	12·818	51475	14	7·962	13·351	51549	13	9·767	14·957	51623	10	7·109	15·141	51697	10	3·049	16·497
51402	11	16·722	12·360	51476	14	8·112	13·229	51550	13	9·942	14·316	51624	10	7·203	15·859	51698	12	3·433	16·411
51403*	29	16·771	12·172	51477	10	8·910	13·225	51551	13	10·020	14·921	51625	10	7·291	15·826	51699	15	3·606	16·382
51404	14	17·368	12·572	51478	10	8·942	13·245	51552	21	11·115	14·730	51626	16	8·057	15·799	51700	10	3·613	16·929
51405	13	18·079	12·725	51479	18	9·498	13·331	51553	12	11·461	14·666	51627	17	9·020	15·011	51701	13	3·713	16·541
51406	13	18·548	12·571	51480	11	9·619	13·451	51554	13	11·643	14·944	51628	10	9·085	15·441	51702	13	3·788	16·245
51407	20	18·816	12·972	51481	14	10·076	13·815	51555	14	12·146	14·409	51629	14	9·235	15·431	51703	12	3·927	16·746
51408	20	18·841	12·296	51482	13	10·281	13·056	51556	19	12·533	14·476	51630	17	9·433	15·092	51704	10	4·961	16·847
51409	12	18·954	12·552	51483	20	10·474	13·451	51557	13	12·778	14·031	51631	14	10·360	15·812	51705	12	5·137	16·111
51410	13	19·250	12·882	51484	14	10·542	13·035	51558	14	13·370	14·629	51632	13	10·424	15·308	51706	15	5·143	16·056
51411	12	19·651	12·648	51485	13	10·954	13·191	51559	13	13·422	14·206	51633	11	10·694	15·077	51707	11	5·336	16·173
51412*	28	20·422	12·249	51486	14	11·300	13·172	51560*	45	14·104	14·849	51634	14	10·711	15·436	51708	10	5·347	16·886
51413	21	20·431	12·852	51487	17	12·443	13·099	51561	14	15·291	14·389	51635	15	10·720	15·736	51709	10	5·563	16·641
51414	10	20·565	12·256	51488	13	12·832	13·519	51562	15	15·457	14·341	51636	10	10·816	15·553	51710	10	5·853	16·026
51415	12	21·126	12·894	51489	15	13·458	13·493	51563	12	15·490	14·427	51637	11	10·829	15·327	51711	12	6·141	16·655
51416	10	21·687	12·801	51490	25	15·871	13·966	51564	21	16·218	14·270	51638	12	10·898	15·638	51712	11	6·184	16·390
51417	11	21·779	12·338	51491	14	16·243	13·259	51565	12	16·331	14·410	51639	11	11·136	15·055	51713	10	6·222	16·164
51418	10	22·674	12·825	51492	13	16·976	13·741	51566	11	16·572	14·170	51640	15	11·267	15·291	51714	12	6·653	16·973
51419	10	22·741	12·894	51493	13	17·181	13·632	51567	13	16·849	14·892	51641	11	11·819	15·842	51715	10	7·173	16·732
51420	12	22·812	12·711	51494	18	17·252	13·443	51568	10	18·465	14·999	51642	18	11·876	15·060	51716	13	7·415	16·850
51421	12	22·829	12·380	51495	15	17·329	13·029	51569	20	18·647	14·826	51643	20	11·958	15·125	51717	10	7·773	16·200
51422	12	23·030	12·432	51496	15	17·456	13·438	51570	10	19·818	14·370	51644	15	13·164	15·281	51718	10	7·956	16·696
51423	10	23·059	12·955	51497	15	18·177	13·902	51571	14	20·344	14·700	51645	14	13·271	15·909	51719	12	8·375	16·090
51424	13	23·202	12·550	51498*	36	18·318	13·164	51572	11	20·489	14·406	51646	15	13·344	15·009	51720	10	8·458	16·631
51425	14	23·344	12·916	51499	14	20·179	13·472	51573	11	20·621	14·738	51647	14	13·849	15·839	51721	12	8·589	16·950
51426	14	23·720	12·361	51500	12	20·587	13·051	51574	10	20·622	14·569	51648	11	14·632	15·769	51722	12	9·076	16·308
51427	10	23·770	12·824	51501	13	20·761	13·062	51575	12	20·825	14·258	51649	15	14·982	15·110	51723	10	9·205	16·945
51428	11	23·823	12·078	51502	19	21·242	13·388	51576	11	21·553	14·298	51650	22	15·201	15·991	51724	19	9·544	16·218
51429	10	23·891	12·428	51503	20	21·288	13·800	51577	10	21·876	14·592	51651	15	15·420	15·269	51725	13	9·671	16·451
51430	11	24·098	12·377	51504	11	21·842	13·982	51578	10	21·945	14·674	51652*	53	15·693	15·722	51726	12	10·008	16·934
51431	10	24·253	12·720	51505	11	22·175	13·905	51579	21	22·021	14·996	51653	13	17·287	15·472	51727	13	10·141	16·092
51432	10	24·312	12·770	51506	10	22·503	13·195	51580	14	22·215	14·303	51654	14	17·453	15·391	51728	12	10·351	16·437
51433	12	24·376	12·772	51507	10	22·681	13·138	51581	11	22·528	14·937	51655	15	17·823	15·357	51729	13	10·651	16·872
51434	19	24·451	12·981	51508	10	22·834	13·724	51582	13	22·695	14·554	51656	13	19·270	15·691	51730	10	10·739	16·489
51435	10	24·491	12·657	51509	10	23·352	13·216	51583	10	23·109	14·517	51657	15	19·359	15·634	51731	12	11·098	16·192
51436	10	24·905	12·432	51510	13	23·362	13·540	51584	10	23·187	14·786	51658	10	19·365	15·674	51732	19	11·161	16·871
51437	12	24·949	12·781	51511	12	23·476	13·464	51585	10	23·531	14·910	51659	25	19·521	15·076	51733	11	11·287	16·800
51438	10	25·041	12·041	51512	13	23·651	13·398	51586	12	23·882	14·501	51660	11	20·094	15·537	51734	13	11·432	16·673
51439	10	25·183	12·061	51513	10	23·787	13·649	51587	12	24·301	14·950	51661	18	20·591	15·501	51735	11	11·603	16·032
51440	9	25·200	12·269	51514	11	23·862	13·588	51588	10	24·589	14·201	51662	13	20·807	15·913	51736	12	12·713	16·752
51441	11	25·240	12·237	51515	11	24·273	13·731	51589	14	24·608	14·070	51663	20	21·091	15·591	51737	10	13·110	16·568
51442	11	25·378	12·345	51516	11	25·275	13·862	51590	10	24·670	14·801	51664*	24	21·567	15·010	51738	14	13·751	16·210
51443	11	25·503	12·543	51517	12	25·552	13·610	51591	11	25·130	14·211	51665	22	21·591	15·940	51739	11	13·896	16·170
51444	10	25·532	12·883	51518	22	25·865	13·220	51592	12	25·407	14·670	51666*	23	21·622	15·576	51740	15	14·160	16·724

51741	14	14·820	16·191	51815	17	13·721	17·583	51889	11	5·704	18·336	51963	15	0·430	19·813	52037	16	18·250	19·227
51742	13	15·433	16·421	51816	12	13·750	17·131	51890	13	5·738	18·160	51964	15	0·625	19·851	52038	10	18·386	19·362
51743	13	16·498	16·586	51817	13	14·339	17·242	51891	12	5·930	18·232	51965*	45	0·956	19·907	52039*	29	19·194	19·019
51744*	32	17·261	16·548	51818	10	14·391	17·753	51892	12	6·029	18·784	51966	15	1·424	19·980	52040	16	19·195	19·721
51745	10	18·714	16·130	51819	14	14·538	17·697	51893	13	6·244	18·088	51967	25	1·757	19·729	52041	16	19·296	19·305
51746	13	19·741	16·066	51820	12	14·556	17·236	51894	10	7·087	18·360	51968	13	2·522	19·721	52042	10	19·301	19·645
51747	12	19·868	16·663	51821	13	14·901	17·916	51895	11	7·490	18·555	51969	13	2·526	19·892	52043	10	19·394	19·740
51748	11	19·900	16·887	51822	14	14·956	17·436	51896	10	7·542	18·824	51970	19	3·274	19·729	52044	10	19·617	19·603
51749	14	20·246	16·321	51823	9	15·486	17·901	51897	19	7·646	18·998	51971	13	3·981	19·798	52045	12	19·899	19·865
51750	11	20·934	16·468	51824	11	15·525	17·446	51898	10	7·823	18·131	51972	20	4·022	19·378	52046	13	19·920	19·800
51751*	29	22·153	16·342	51825	16	15·591	17·424	51899	10	9·052	18·351	51973	20	4·494	19·553	52047	12	20·492	19·405
51752	12	22·351	16·233	51826	16	15·774	17·230	51900	12	9·092	18·364	51974	13	4·586	19·702	52048	11	20·735	19·864
51753	10	22·430	16·901	51827	11	15·785	17·353	51901	10	9·212	18·263	51975	11	4·784	19·275	52049	14	21·422	19·367
51754	10	22·433	16·029	51828	11	16·619	17·084	51902	12	9·289	18·576	51976	11	5·314	19·394	52050	11	21·552	19·610
51755	10	22·980	16·256	51829	14	16·782	17·741	51903	11	9·615	18·521	51977	10	5·384	19·519	52051	14	21·719	19·141
51756	10	22·996	16·670	51830*	28	17·072	17·399	51904	11	9·678	18·728	51978	12	6·359	19·476	52052	10	21·823	19·707
51757	9	23·145	16·735	51831	15	17·190	17·134	51905	14	10·024	18·428	51979	11	6·525	19·183	52053	15	22·330	19·410
51758	10	23·218	16·752	51832	10	17·242	17·851	51906	10	10·359	18·281	51980	11	7·349	19·744	52054	13	22·381	19·791
51759	12	23·381	16·239	51833	12	17·350	17·426	51907	10	10·457	18·148	51981	10	7·579	19·561	52055	10	22·764	19·469
51760	11	23·531	16·751	51834	14	17·643	17·699	51908	12	10·593	18·299	51982	13	7·748	19·980	52056	11	22·968	19·173
51761	10	24·118	16·049	51835	12	17·861	17·957	51909	10	10·824	18·091	51983	20	7·902	19·341	52057	20	23·524	19·686
51762	11	24·650	16·028	51836	13	18·104	17·669	51910	11	11·096	18·627	51984	13	7·943	19·199	52058	11	23·738	19·175
51763	13	25·141	16·456	51837	18	18·609	17·351	51911	19	11·120	18·541	51985	10	8·050	19·678	52059	13	23·886	19·071
51764	11	25·187	16·922	51838	11	18·737	17·853	51912	13	11·209	18·343	51986	15	8·081	19·491	52060	10	23·923	19·079
51765	12	25·344	16·041	51839	10	18·794	17·465	51913	12	11·362	18·223	51987*	25	8·210	19·992	52061	11	24·113	19·502
51766	21	25·551	16·826	51840	13	19·636	17·824	51914	12	11·393	18·430	51988	11	8·337	19·972	52062	10	24·463	19·166
51767	10	25·589	16·424	51841	10	19·711	17·982	51915	10	11·437	18·042	51989	11	8·464	19·691	52063	10	24·601	19·340
51768	49	25·872	16·835	51842	9	20·007	17·192	51916	19	11·573	18·409	51990	10	8·644	19·009	52064	15	24·810	19·528
51769	13	0·614	17·210	51843	12	20·441	17·199	51917	19	12·121	18·825	51991	10	8·774	19·957	52065	10	24·951	19·329
51770	15	0·803	17·831	51844	10	20·485	17·453	51918	10	12·353	18·482	51992	13	8·887	19·051	52066	11	25·019	19·130
51771	11	1·152	17·031	51845	12	20·569	17·880	51919	12	12·461	18·490	51993	24	9·177	19·779	52067	11	25·037	19·149
51772	15	1·464	17·386	51846	10	20·626	17·432	51920	12	12·484	18·491	51994	12	9·398	19·429	52068	17	25·051	19·367
51773	18	1·616	17·649	51847	10	20·675	17·641	51921	11	13·351	18·149	51995	12	9·475	19·850	52069	20	25·207	19·942
51774	15	2·026	17·240	51848	13	21·806	17·356	51922	10	13·797	18·015	51996	11	9·710	19·841	52070	10	25·310	19·160
51775	16	2·114	17·896	51849	14	21·916	17·793	51923	13	13·814	18·421	51997	12	9·874	19·665	52071	11	25·375	19·544
51776	18	2·692	17·061	51850	10	22·131	17·942	51924	19	13·897	18·430	51998	9	10·007	19·617	52072	10	25·480	19·035
51777	14	2·718	17·123	51851	12	22·544	17·401	51925	13	14·921	18·271	51999	12	10·165	19·580	52073	12	25·644	19·926
51778	12	3·196	17·770	51852	13	22·755	17·644	51926	11	15·017	18·669	52000	11	10·441	19·164	52074	19	25·831	19·643
51779	14	3·652	17·149	51853	10	23·123	17·845	51927	13	15·630	18·011	52001	20	10·520	19·295	52075	16	0·073	20·909
51780	13	4·046	17·666	51854	13	23·127	17·978	51928	12	15·683	18·286	52002	14	10·890	19·153	52076	15	0·520	20·435
51781	11	4·397	17·729	51855	10	23·450	17·063	51929	13	15·968	18·473	52003	12	11·509	19·106	52077	18	0·582	20·060
51782	10	4·463	17·361	51856	10	23·470	17·064	51930	11	16·329	18·201	52004	10	12·269	19·594	52078	15	1·134	20·054
51783	11	4·661	17·549	51857	20	23·557	17·571	51931	23	16·422	18·520	52005	12	12·769	19·110	52079	22	1·559	20·682
51784	13	4·815	17·649	51858	20	24·055	17·594	51932	12	16·645	18·791	52006	10	12·828	19·792	52080	13	1·894	20·835
51785	14	5·064	17·371	51859	10	24·430	17·068	51933	11	16·695	18·386	52007	10	12·966	19·981	52081	14	1·967	20·636
51786	11	5·305	17·207	51860	10	24·580	17·568	51934*	22	16·711	18·363	52008	12	13·131	19·752	52082	13	2·191	20·418
51787	11	5·379	17·580	51861	10	25·213	17·613	51935	10	16·762	18·958	52009	10	13·450	19·306	52083	23	2·387	20·963
51788	14	5·489	17·377	51862	11	25·284	17·671	51936	10	17·141	18·556	52010	16	13·767	19·944	52084	12	2·780	20·434
51789	12	5·549	17·607	51863	15	0·035	18·091	51937	10	17·809	18·901	52011	13	13·811	19·976	52085	14	2·837	20·037
51790	12	5·560	17·703	51864	20	0·301	18·490	51938	10	19·702	18·162	52012	10	13·912	19·902	52086	13	2·993	20·556
51791	10	5·731	17·588	51865	15	1·080	18·369	51939	11	19·792	18·517	52013*	38	14·814	19·270	52087	12	3·170	20·208
51792	11	6·020	17·107	51866	15	1·421	18·641	51940	14	19·952	18·149	52014	20	14·870	19·910	52088	10	3·808	20·825
51793	27	6·135	17·461	51867*	51	1·668	18·822	51941	11	20·092	18·280	52015	10	14·951	19·465	52089	14	4·151	20·880
51794	10	7·656	17·109	51868	13	2·106	18·035	51942	20	20·267	18·315	52016	10	15·011	19·939	52090	13	4·826	20·580
51795	10	7·809	17·660	51869	13	2·165	18·153	51943	12	20·271	18·639	52017	10	15·214	19·686	52091*	30	5·394	20·279
51796	13	7·901	17·574	51870	10	2·245	18·374	51944	10	20·396	18·715	52018	19	15·215	19·170	52092	14	5·620	20·427
51797	10	8·222	17·231	51871	13	2·457	18·629	51945	12	20·706	18·269	52019	13	15·336	19·535	52093	13	5·853	20·922
51798	10	8·222	17·135	51872	23	2·909	18·582	51946	10	20·886	18·298	52020	10	15·751	19·875	52094	10	6·154	20·434
51799	10	8·591	17·081	51873	13	3·235	18·906	51947	16	21·056	18·924	52021	10	15·820	19·054	52095	13	6·173	20·567
51800	13	8·656	17·345	51874	11	3·551	18·875	51948	20	21·092	18·377	52022	12	15·856	19·171	52096	11	6·225	20·440
51801	11	8·920	17·023	51875	13	3·628	18·848	51949	10	21·320	18·464	52023	13	15·891	19·325	52097	13	6·357	20·082
51802	11	9·356	17·700	51876	12	3·918	18·299	51950	20	22·290	18·180	52024	15	15·914	19·232	52098	12	6·477	20·410
51803	10	9·544	17·261	51877	25	3·986	18·287	51951	13	22·762	18·372	52025	20	15·976	19·699	52099	21	6·482	20·733
51804	10	10·352	17·128	51878	14	4·335	18·161	51952	11	22·802	18·188	52026	13	16·201	19·399	52100	10	6·956	20·378
51805	11	10·500	17·424	51879	14	4·386	18·739	51953	11	24·045	18·771	52027	11	17·173	19·974	52101	13	7·148	20·431
51806	13	11·036	17·773	51880	11	4·417	18·892	51954	12	24·166	18·774	52028	11	17·342	19·966	52102	12	7·313	20·987
51807	12	11·266	17·072	51881	13	4·622	18·815	51955	11	24·581	18·700	52029	24	17·346	19·239	52103	10	7·567	20·964
51808	12	11·474	17·631	51882	10	4·678	18·072	51956	12	24·749	18·604	52030	16	17·361	19·884	52104	14	7·596	20·109
51809	13	12·457	17·471	51883	11	4·682	18·274	51957	10	24·932	18·852	52031	18	17·494	19·590	52105	21	7·836	20·103
51810	11	12·475	17·992	51884	13	5·211	18·165	51958	11	25·268	18·204	52032	10	18·009	19·472	52106*	22	7·971	20·349
51811	12	12·687	17·349	51885	11	5·208	18·609	51959	11	25·782	18·237	52033	13	18·023	19·410	52107	11	8·081	20·365
51812	13	13·571	17·884	51886	11	5·315	18·085	51960	12	25·869	18·494	52034	12	18·089	19·947	52108	12	9·089	20·612
51813	12	13·598	17·872	51887	10	5·433	18·088	51961	49	25·949	18·086	52035	12	18·095	19·308	52109	19	9·651	20·164
51814	13	13·639	17·367	51888	20	5·676	18·042	51962	14	0·217	19·710	52036*	23	18·201	19·472	52110	10	9·675	20·556

52111	18	10·127	20·519	52185	10	8·621	21·175	52259	13	8·419	22·739	52333	11	8·539	23·538	52407	12	11·722	24·182
52112	10	10·782	20·366	52186	11	9·344	21·851	52260	12	8·489	22·476	52334	20	9·139	23·017	52408	10	11·746	24·815
52113	9	11·851	20·414	52187	10	9·350	21·467	52261	14	9·196	22·012	52335	12	10·070	23·829	52409	14	12·439	24·251
52114	10	12·036	20·948	52188	12	9·590	21·526	52262	11	9·314	22·615	52336	12	10·294	23·729	52410	10	12·509	24·612
52115	18	12·067	20·761	52189	12	9·671	21·283	52263	13	9·354	22·266	52337	10	10·579	23·777	52411	10	12·863	24·566
52116	13	12·453	20·432	52190	10	9·740	21·960	52264	10	9·375	22·270	52338	19	11·200	23·580	52412	10	13·143	24·474
52117	16	12·953	20·551	52191	10	10·089	21·138	52265	11	9·701	22·574	52339*	46	11·374	23·096	52413	12	13·219	24·460
52118	10	13·521	20·657	52192	10	10·288	21·891	52266	10	9·813	22·782	52340	10	11·630	23·934	52414	10	13·857	24·589
52119	11	13·704	20·289	52193	18	10·300	21·987	52267	10	9·841	22·200	52341	10	12·035	23·200	52415	11	14·119	24·741
52120	11	14·674	20·559	52194	10	10·624	21·111	52268	12	10·488	22·867	52342	11	12·343	23·190	52416	13	14·388	24·009
52121	10	14·861	20·070	52195	20	11·259	21·211	52269	12	10·859	22·637	52343	10	12·992	23·725	52417	11	14·475	24·744
52122	10	14·934	20·794	52196	13	12·020	21·977	52270	10	11·249	22·007	52344	16	13·074	23·549	52418	10	14·483	24·533
52123	10	15·007	20·667	52197	16	12·707	21·567	52271*	19	11·551	22·027	52345	10	13·088	23·260	52419	11	14·743	24·427
52124	11	15·173	20·803	52198	10	12·884	21·260	52272	11	11·693	22·931	52346	10	13·398	23·935	52420	10	14·873	24·951
52125	10	15·829	20·468	52199	12	12·930	21·176	52273	12	11·803	22·456	52347	10	14·204	23·179	52421	10	14·890	24·129
52126	12	16·240	20·563	52200	11	13·442	21·881	52274	12	11·917	22·217	52348	10	14·500	23·186	52422	19	15·023	24·225
52127	10	16·293	20·376	52201	16	13·886	21·946	52275*	22	13·001	22·555	52349*	20	14·698	23·669	52423	14	16·123	24·783
52128	11	16·360	20·162	52202	11	14·469	21·069	52276	10	13·015	22·799	52350	20	15·506	23·542	52424	13	16·199	24·494
52129	10	16·964	20·527	52203	10	14·889	21·706	52277	11	13·213	22·994	52351	25	15·515	23·167	52425	12	16·849	24·827
52130	12	17·154	20·543	52204	10	16·467	21·157	52278	12	13·976	22·273	52352	10	15·566	23·521	52426	13	17·160	24·081
52131	11	17·460	20·262	52205	10	16·568	21·126	52279	10	14·373	22·842	52353	10	16·062	23·465	52427	11	17·788	24·546
52132	14	17·682	20·932	52206	11	16·613	21·829	52280	10	14·761	22·761	52354	24	16·172	23·132	52428	11	17·869	24·845
52133	15	18·040	20·490	52207	10	17·318	21·132	52281	11	15·679	22·835	52355	14	16·544	23·230	52429	11	17·949	24·657
52134	10	18·436	20·011	52208	12	17·553	21·481	52282	10	15·822	22·545	52356	10	16·940	23·953	52430	20	18·179	24·666
52135	10	18·697	20·988	52209	26	18·061	21·947	52283	19	15·838	22·916	52357*	26	18·551	23·866	52431	10	18·428	24·909
52136	10	19·364	20·213	52210	10	18·426	21·190	52284*	22	15·863	22·900	52358	14	18·621	23·670	52432	11	18·601	24·734
52137	10	20·301	20·815	52211	12	18·687	21·491	52285	10	16·634	22·608	52359	11	20·224	23·046	52433	14	18·849	24·540
52138	12	20·314	20·158	52212	13	19·526	21·019	52286	10	17·360	22·495	52360	14	20·798	23·511	52434	13	19·186	24·113
52139*	27	20·580	20·180	52213	15	19·718	21·323	52287	20	17·375	22·698	52361	10	21·391	23·691	52435	11	20·081	24·583
52140	10	21·071	20·981	52214	10	20·124	21·634	52288	13	17·422	22·216	52362	11	21·466	23·771	52436	13	20·681	24·899
52141	11	21·174	20·360	52215	10	20·160	21·014	52289	10	17·522	22·939	52363	13	21·517	23·689	52437	12	20·903	24·659
52142	11	21·184	20·412	52216	13	20·423	21·162	52290	11	17·696	22·576	52364	22	21·724	23·200	52438	10	20·979	24·050
52143	14	21·346	20·771	52217	21	20·428	21·084	52291	11	17·706	22·429	52365	12	21·744	23·868	52439	15	21·306	24·143
52144	10	21·446	20·524	52218	10	20·931	21·666	52292	25	18·272	22·539	52366	12	22·325	23·249	52440*	31	21·701	24·301
52145	12	21·520	20·824	52219	20	20·967	21·239	52293	13	18·336	22·966	52367	10	22·415	23·749	52441	13	22·157	24·324
52146	12	21·591	20·807	52220	10	21·328	21·324	52294	10	18·417	22·496	52368	16	23·356	23·139	52442	15	22·379	24·457
52147	11	22·126	20·682	52221	11	21·736	21·065	52295	20	18·630	22·387	52369	18	24·976	23·751	52443	13	22·773	24·557
52148	14	23·004	20·457	52222	10	22·363	21·787	52296	10	19·161	22·029	52370	16	25·196	23·612	52444	14	22·798	24·413
52149	12	23·090	20·488	52223	13	22·375	21·794	52297	10	19·405	22·790	52371	15	25·592	23·130	52445	12	23·652	24·120
52150	19	23·415	20·640	52224	10	22·575	21·565	52298	14	19·575	22·395	52372	13	25·779	23·366	52446	21	24·714	24·776
52151	20	23·447	20·322	52225	10	22·766	21·387	52299	10	19·812	22·948	52373	14	25·864	23·294	52447	15	24·938	24·087
52152	10	24·216	20·949	52226	11	23·138	21·419	52300	14	20·024	22·622	52374	20	0·320	24·714	52448	13	25·154	24·020
52153	12	25·019	20·904	52227	14	23·217	21·595	52301	10	20·135	22·778	52375	15	1·754	24·270	52449	14	25·159	24·207
52154	13	25·156	20·716	52228	14	23·460	21·574	52302	11	20·168	22·759	52376	27	2·582	24·077	52450	45	1·273	25·565
52155	13	25·441	20·781	52229	13	23·527	21·694	52303	14	20·569	22·533	52377	15	3·315	24·136	52451	24	1·911	25·505
52156	12	25·471	20·799	52230	14	23·619	21·731	52304	11	21·370	22·758	52378	15	4·291	24·148	52452	15	2·222	25·188
52157	15	1·182	21·317	52231	15	23·646	21·965	52305	12	21·822	22·831	52379	15	4·585	24·953	52453	23	2·422	25·506
52158	13	1·654	21·317	52232	17	23·670	21·087	52306	10	21·869	22·900	52380	20	4·803	24·451	52454	22	2·783	25·392
52159	18	1·837	21·043	52233	20	23·828	21·815	52307	14	22·169	22·429	52381	21	5·264	24·415	52455	43	3·346	25·890
52160	14	2·538	21·045	52234	12	24·067	21·409	52308	15	22·707	22·582	52382	15	5·676	24·666	52456	15	3·934	25·954
52161	28	2·825	21·000	52235	12	24·764	21·398	52309	12	23·747	22·089	52383	14	6·223	24·089	52457	24	3·987	25·578
52162	13	3·116	21·004	52236	12	25·118	21·080	52310	10	24·045	22·980	52384	14	6·652	24·207	52458*	45	4·677	25·579
52163	14	3·435	21·191	52237	13	25·244	21·202	52311	19	24·260	22·248	52385	13	7·385	24·496	52459	17	5·591	25·169
52164	13	3·709	21·358	52238	25	25·406	21·830	52312	15	0·398	23·086	52386	11	7·670	24·744	52460	15	6·921	25·011
52165*	40	4·065	21·419	52239	12	25·949	21·900	52313	22	1·294	23·439	52387	13	7·930	24·379	52461	14	6·928	25·156
52166	18	4·074	21·381	52240	18	1·787	22·218	52314	23	1·836	23·699	52388	11	8·182	24·080	52462	14	7·308	25·311
52167	12	4·149	21·190	52241	14	2·292	22·093	52315	14	2·508	23·913	52389	13	8·531	24·426	52463	13	7·659	25·932
52168	12	4·244	21·107	52242	18	2·853	22·540	52316	15	2·609	23·153	52380	29	8·761	24·651	52464	13	7·674	25·047
52169	12	4·663	21·122	52243	24	3·438	22·632	52317	13	2·868	23·041	52391	20	8·777	24·207	52465	14	8·550	25·800
52170	24	4·955	21·807	52244	14	3·544	22·062	52318	13	4·044	23·425	52392	13	9·178	24·751	52466	17	8·916	25·220
52171	19	5·223	21·649	52245	14	3·787	22·914	52319	23	4·342	23·752	52393	10	9·285	24·111	52467	18	9·262	25·382
52172	11	5·381	21·786	52246	13	4·058	22·950	52320	13	4·361	23·380	52394	13	9·517	24·101	52468	14	9·479	25·222
52173	13	5·413	21·430	52247	21	4·626	22·540	52321	13	4·399	23·354	52395	13	9·720	24·440	52469	26	9·808	25·758
52174	16	5·868	21·394	52248*	55	4·764	22·761	52322	15	4·513	23·582	52396	20	9·873	24·668	52470	18	9·984	25·110
52175	11	6·366	21·825	52249	13	5·115	22·688	52323	15	4·849	23·688	52397	10	10·041	24·084	52471	19	10·129	25·639
52176	13	6·797	21·359	52250	15	5·817	22·852	52324	10	5·193	23·922	52398	13	10·087	24·658	52472	12	10·306	25·911
52177*	26	7·069	21·175	52251	14	5·957	22·651	52325	23	5·702	23·950	52399	12	10·150	24·842	52473	20	10·501	25·741
52178	11	7·278	21·448	52252	15	6·087	22·577	52326	13	6·268	23·160	52400	15	10·407	24·849	52474	10	10·571	25·332
52179	10	7·516	21·093	52253	14	6·557	22·134	52327	21	6·802	23·435	52401	10	10·415	24·045	52475	21	10·806	25·192
52180	12	8·110	21·270	52254	10	6·732	22·006	52328	10	6·837	23·944	52402	13	11·077	24·619	52476	12	11·183	25·576
52181	21	8·117	21·923	52255	13	7·329	22·622	52329	19	7·352	23·125	52403	16	11·096	24·071	52477	20	11·431	25·940
52182	18	8·374	21·982	52256	10	7·647	22·226	52330	13	7·788	23·691	52404	10	11·182	24·859	52478	10	12·106	25·306
52183	17	8·558	21·012	52257	13	7·665	22·102	52331	11	7·846	23·324	52405	11	11·474	24·557	52479	14	12·117	25·296
52184	10	8·613	21·350	52258	11	8·227	22·800	52332	9	8·386	23·442	52406	13	11·635	24·316	52480	15	12·177	25·748

52481	19	12·466	25·842
52482	11	13·561	25·620
52483	12	13·816	25·062
52484	10	13·877	25·881
52485	21	14·191	25·582
52486	15	14·236	25·166
52487	11	14·546	25·301
52488	14	15·479	25·760
52489	13	16·233	25·783
52490	20	16·408	25·864
52491	12	16·408	25·586
52492	12	16·434	25·031
52493	13	17·661	25·238
52494	14	18·338	25·789
52495	10	18·953	25·618
52496	12	19·586	25·382
52497	10	19·597	25·371
52498	14	20·171	25·526
52499	12	20·252	25·246
52500	18	21·067	25·819
52501	13	21·156	25·320
52502	10	21·515	25·127
52503	16	21·629	25·742
52504	17	22·335	25·766
52505	12	23·280	25·938
52506	23	23·662	25·319
52507	14	24·606	25·613
52508	19	25·250	25·189

R. A. 19h 52m

Plate 2001; 1902 July 11.

Provisional Constants.

A	B	C
−·00061	+·00292	−·0682
D	**E**	**F**
−·00272	−·00062	−·4393

$Mag. = 17{\cdot}0 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
52601	34	1·002	0·208
52602	23	1·038	0·925
52603	22	1·112	0·460
52604	19	3·090	0·901
52605	22	3·524	0·525
52606	18	3·831	0·614
52607	18	4·243	0·922
52608	19	4·989	0·997
52609*	32	5·588	0·892
52610	13	5·660	0·334
52611	18	5·865	0·174
52612	17	6·467	0·576
52613	17	6·683	0·850
52614	17	6·713	0·861
52615	13	6·780	0·764
52616	11	7·386	0·897
52617	13	7·401	0·335
52618	11	7·466	0·576
52619	10	7·650	0·365
52620	12	7·991	0·670
52621	12	8·030	0·855
52622	12	8·034	0·264
52623	13	8·292	0·964
52624	13	8·360	0·724
52625	11	9·360	0·834
52626	8	9·965	0·934
52627	14	10·118	0·164
52628	9	10·210	0·770
52629	9	10·265	0·799
52630	11	10·422	0·799
52631	12	10·429	0·522
52632	10	10·435	0·573
52633	7	10·515	0·425
52634	8	10·890	0·355
52635	13	11·881	0·524
52636	12	12·057	0·749
52637	12	12·865	0·114
52638	9	13·246	0·061
52639	9	13·365	0·360
52640	8	13·552	0·936
52641	9	13·644	0·898
52642	11	13·900	0·043
52643	7	13·981	0·586
52644	12	14·310	0·621
52645	9	14·757	0·571
52646	10	14·824	0·072
52647	10	15·048	0·636
52648	8	15·110	0·175
52649	9	15·217	0·297
52650	10	15·383	0·377
52651	8	15·385	0·746
52652	8	15·565	0·080
52653	11	15·568	0·192
52654	14	15·795	0·075
52655	9	16·149	0·910
52656	9	16·193	0·194
52657	7	16·212	0·968
52658	10	16·620	0·907
52659	8	16·842	0·830
52660	13	17·430	0·253
52661	8	17·506	0·819
52662	10	17·669	0·479
52663	8	18·160	0·749
52664	8	18·285	0·459
52665	7	18·370	0·240
52666	8	18·425	0·289
52667	10	18·606	0·626
52668	10	18·790	0·165
52669	9	19·110	0·969
52670	7	19·926	0·598
52671	7	20·226	0·506
52672	8	20·587	0·837
52673	11	20·675	0·465
52674	9	20·728	0·745
52675	7	20·812	0·519
52676	22	20·943	0·605
52677	8	21·036	0·690
52678	11	21·695	0·356
52679	12	21·829	0·031
52680	13	22·119	0·484
52681	10	22·475	0·693
52682	9	22·503	0·400
52683	18	22·640	0·380
52684	12	22·831	0·289
52685	11	22·942	0·749
52686	13	23·066	0·145
52687	13	23·073	0·685
52688	11	23·455	0·768
52689	18	23·985	0·853
52690	15	24·651	0·404
52691	13	24·808	0·747
52692*	32	1·893	1·015
52693	14	3·760	1·870
52694*	25	4·481	1·916
52695	15	4·501	1·753
52696	15	4·502	1·686
52697	23	5·015	1·685
52698*	16	5·494	1·187
52699	14	5·514	1·481
52700	11	5·829	1·269
52701	12	6·210	1·365
52702	12	7·046	1·445
52703	7	7·256	1·880
52704	20	7·388	1·364
52705	10	9·700	1·656
52706	10	10·293	1·621
52707	12	10·837	1·414
52708	13	10·905	1·794
52709	19	11·130	1·182
52710	24	11·332	1·575
52711	7	11·345	1·869
52712	8	11·846	1·890
52713	9	12·021	1·295
52714	8	12·284	1·375
52715	8	12·291	1·387
52716	13	12·525	1·089
52717	12	12·535	1·085
52718	9	12·676	1·384
52719	10	13·518	1·212
52720	7	13·554	1·261
52721	8	13·635	1·282
52722	10	13·755	1·115
52723	10	14·175	1·097
52724	8	14·269	1·787
52725	12	14·460	1·761
52726	9	14·683	1·191
52727	17	14·724	1·060
52728	8	14·761	1·819
52729	12	14·845	1·505
52730	6	15·031	1·926
52731	7	15·140	1·617
52732	10	15·184	1·944
52733	9	15·684	1·410
52734	9	15·788	1·570
52735*	19	15·943	1·039
52736*	21	16·059	1·140
52737	8	16·462	1·354
52738	8	16·705	1·204
52739*	21	16·732	1·058
52740	7	16·866	1·869
52741	21	17·335	1·557
52742	7	17·360	1·534
52743	6	17·422	1·677
52744	8	17·476	1·588
52745	9	17·639	1·030
52746	29	17·639	1·335
52747	11	17·669	1·427
52748	8	18·190	1·040
52749	17	18·275	1·796
52750	7	18·952	1·726
52751	8	19·174	1·663
52752	13	19·320	1·629
52753	10	19·525	1·269
52754	8	19·563	1·761
52755	12	19·580	1·556
52756	6	19·641	1·194
52757	12	19·776	1·940
52758	21	19·819	1·969
52759	10	20·161	1·929
52760	9	20·174	1·905
52761	10	20·363	1·445
52762*	33	20·453	1·649
52763	9	20·522	1·895
52764	10	20·802	1·287
52765	9	20·868	1·950
52766	8	21·456	1·808
52767	11	21·994	1·767
52768	8	22·084	1·734
52769	15	22·595	1·000
52770	13	22·859	1·000
52771	11	23·597	1·261
52772	10	23·959	1·984
52773	12	24·100	1·409
52774	8	24·500	1·299
52775	23	24·765	1·825
52776	22	25·022	1·355
52777	15	25·840	1·162
52778	10	25·881	1·692
52779	18	0·117	2·672
52780	32	0·921	2·835
52781	22	3·415	2·850
52782	14	3·784	2·816
52783	14	3·802	2·872
52784	12	3·851	2·469
52785	26	3·942	2·902
52786	15	4·083	2·327
52787	16	4·790	2·159
52788	14	5·170	2·602
52789	13	5·246	2·650
52790	9	5·485	2·236
52791	13	5·596	2·204
52792	12	5·610	2·436
52793	12	5·824	2·919
52794	8	6·123	2·836
52795	9	6·768	2·582
52796	13	7·100	2·478
52797	7	8·365	2·700
52798	12	9·140	2·894
52799	12	9·267	2·760
52800	12	9·450	2·243
52801	12	9·500	2·221
52802	11	9·806	2·761
52803	7	10·345	2·691
52804	18	10·435	2·662
52805	10	10·917	2·265
52806	16	11·409	2·547
52807	9	11·730	2·884
52808	16	12·284	2·480
52809	9	12·652	2·232
52810	20	13·432	2·835
52811	14	13·694	2·931
52812	12	13·702	2·991
52813	21	13·824	2·134
52814	17	14·220	2·726
52815	7	14·300	2·043
52816	10	14·427	2·670
52817	22	14·772	2·865
52818	10	14·810	2·541
52819	12	14·908	2·384
52820	11	15·069	2·606
52821	16	15·514	2·450
52822	11	15·883	2·369
52823	8	15·958	2·800
52824	12	16·504	2·325
52825	9	16·540	2·724
52826	8	16·646	2·915
52827	14	17·040	2·997
52828	8	17·175	2·135
52829	8	17·426	2·005
52830	11	17·552	2·415
52831	12	17·886	2·962
52832	12	18·079	2·404
52833	10	18·140	2·706
52834	9	18·186	2·609
52835	13	18·402	2·555
52836	7	18·645	2·860
52837	7	19·083	2·901
52838	29	19·611	2·319
52839	13	19·684	2·652
52840	10	19·715	2·108
52841	13	19·852	2·031
52842	10	19·970	2·493
52843	7	20·059	2·416
52844	20	20·218	2·202
52845	12	20·276	2·849
52846	6	20·399	2·62
52847	10	20·532	2·03
52848	10	20·723	2·75
52849	8	20·821	2·61
52850	10	20·860	2·69
52851	8	20·911	2·62
52852	10	21·170	2·01
52853	12	21·408	2·15
52854	7	21·449	2·48
52855*	25	21·788	2·98
52856	8	21·809	2·87
52857	8	21·815	2·82
52858	8	21·877	2·31
52859	12	22·485	2·46
52860	7	22·635	2·77
52861	10	22·964	2·57
52862	12	23·036	2·12
52863	8	23·045	2·31
52864	10	23·573	2·39
52865	11	23·595	2·73
52866	13	23·700	2·31
52867	20	24·833	2·22
52868	21	24·980	2·42
52869	9	25·161	2·31
52870	12	25·228	2·49
52871	10	25·229	2·60
52872	23	25·308	2·15
52873	29	0·824	3·24
52874	28	0·827	3·04
52875	28	1·186	3·95
52876	21	2·558	3·54
52877*	34	3·070	3·47
52878	32	3·202	3·66
52879	12	4·046	3·84
52880	10	5·064	3·24
52881	21	5·378	3·26
52882	20	5·526	3·66
52883	9	6·886	3·85
52884	10	6·909	3·51
52885	12	7·055	3·91
52886	8	7·249	3·50
52887	11	7·311	3·10
52888	11	7·580	3·51
52889*	24	7·630	3·25
52890	9	7·666	3·20
52891	10	8·171	3·57
52892	9	8·195	3·96
52893	8	8·435	3·50
52894*	27	8·692	3·84
52895	9	10·056	3·98
52896	10	10·359	3·91
52897	16	10·827	3·19
52898	9	11·125	3·84
52899*	34	11·770	3·49
52900	13	11·942	3·13
52901	12	12·091	3·04
52902	11	12·713	3·39
52903	9	13·267	3·53
52904	7	13·322	3·85
52905	10	14·307	3·16
52906	11	14·761	3·69
52907	22	15·998	3·06
52908	11	16·200	3·43
52909	15	16·417	3·49
52910	8	16·960	3·28
52911	8	17·425	3·07
52912	9	17·844	3·29
52913	8	18·462	3·49
52914	9	18·585	3·22
52915	8	19·030	3·66
52916	7	19·605	3·78
52917	8	19·629	3·47
52918	7	19·635	3·67
52919	8	19·735	3·94

52920	10	20·115	3·164	52994	12	20·321	4·375	53068	23	16·340	5·850	53142	7	18·137	6·869	53216	14	19·945	7·725
52921*	31	20·180	3·233	52995	9	20·333	4·782	53069	14	16·499	5·887	53143	13	18·306	6·833	53217	12	20·056	7·903
52922	8	20·326	3·545	52996	12	20·799	4·409	53070	9	18·045	5·737	53144	11	18·585	6·626	53218	9	20·091	7·532
52923	14	20·656	3·276	52997	9	20·954	4·879	53071	9	18·411	5·241	53145	10	19·440	6·165	53219	8	20·580	7·711
52924	9	20·956	3·783	52998	8	21·291	4·402	53072	13	18·937	5·405	53146	10	20·110	6·919	53220	10	21·199	7·200
52925	8	21·210	3·128	52999	13	21·341	4·742	53073	9	18·954	5·215	53147	8	20·155	6·570	53221	9	21·508	7·098
52926	10	21·875	3·286	53000	8	21·490	4·398	53074	18	19·231	5·428	53148	7	20·914	6·708	53222	10	21·669	7·737
52927	12	22·556	3·947	53001	9	22·262	4·643	53075	9	20·049	5·095	53149	9	22·100	6·415	53223*	32	21·794	7·172
52928	10	22·654	3·295	53002	8	22·497	4·879	53076	15	20·110	5·845	53150	7	22·770	6·529	53224	10	22·280	7·714
52929	10	22·802	3·134	53003	23	23·173	4·965	53077	14	20·414	5·555	53151	7	22·786	6·754	53225	9	22·445	7·326
52930	11	23·254	3·670	53004	10	23·235	4·254	53078	8	20·480	5·230	53152	9	23·400	6·038	53226*	30	22·508	7·187
52931	21	23·324	3·445	53005	18	23·376	4·795	53079	14	20·734	5·783	53153	8	23·531	6·622	53227	10	22·576	7·407
52932	11	23·326	3·376	53006	8	23·718	4·067	53080	10	21·069	5·406	53154	14	23·885	6·301	53228	15	22·937	7·556
52933	7	23·435	3·800	53007	10	23·726	4·325	53081	29	21·715	5·713	53155	14	24·371	6·145	53229	7	23·434	7·497
52934	10	23·606	3·085	53008	7	23·979	4·259	53082	11	21·760	5·125	53156	14	24·943	6·385	53230	11	23·959	7·675
52935	12	24·481	3·971	53009	27	24·410	4·135	53083	9	22·460	5·995	53157	11	24·985	6·960	53231	9	24·103	7·715
52936	29	24·706	3·847	53010	10	24·895	4·285	53084	9	22·526	5·405	53158	11	25·061	6·075	53232	9	24·205	7·417
52937	14	25·010	3·278	53011	13	24·929	4·694	53085	10	23·540	5·345	53159	15	25·181	6·509	53233	8	24·738	7·200
52938	7	25·289	3·275	53012	10	25·027	4·025	53086	12	23·619	5·234	53160	19	25·556	6·499	53234	10	24·816	7·486
52939	10	25·442	3·548	53013	9	25·856	4·290	53087	29	23·765	5·500	53161	8	1·434	7·541	53235	12	25·702	7·200
52940	17	25·765	3·415	53014	23	0·469	5·257	53088	12	23·965	5·626	53162	22	1·491	7·385	53236	12	25·755	7·674
52941	25	0·179	4·334	53015	31	0·651	5·296	53089	8	24·435	5·361	53163	14	3·319	7·261	53237	10	25·805	7·684
52942	32	0·526	4·721	53016	19	0·701	5·752	53090	12	24·654	5·893	53164	15	3·370	7·208	53238	8	25·905	7·182
52943	20	0·806	4·671	53017	20	0·954	5·919	53091	22	25·417	5·100	53165	12	3·650	7·320	53239	20	0·041	8·496
52944	29	0·834	4·825	53018	29	1·860	5·915	53092	31	0·185	6·991	53166	12	4·071	7·049	53240	48	0·136	8·829
52945	43	0·857	4·514	53019	22	1·970	5·968	53093	12	0·340	6·654	53167	9	4·366	7·707	53241	21	0·176	8·011
52946	15	2·415	4·420	53020	16	2·594	5·806	53094	31	0·399	6·617	53168	10	4·374	7·726	53242	17	0·390	8·470
52947	15	2·749	4·391	53021	13	2·663	5·671	53095	29	0·785	6·226	53169	22	4·445	7·764	53243	19	0·417	8·629
52948	15	2·797	4·955	53022	12	3·139	5·830	53096	12	1·151	6·273	53170	13	4·471	7·841	53244	22	0·602	8·801
52949	15	3·729	4·549	53023	23	3·675	5·682	53097	10	1·486	6·915	53171	9	4·596	7·355	53245	16	1·037	8·255
52950	13	4·129	4·456	53024	22	3·818	5·169	53098	23	1·514	6·719	53172	15	4·775	7·338	53246	10	1·695	8·605
52951	12	4·239	4·947	53025	13	3·840	5·415	53099	31	1·787	6·359	53173	11	5·131	7·726	53247	16	1·997	8·071
52952	13	4·625	4·895	53026	12	4·153	5·365	53100	22	2·176	6·865	53174	12	5·524	7·271	53248	13	2·147	8·258
52953	12	4·815	4·856	53027	10	4·178	5·634	53101	14	2·225	6·885	53175	7	5·745	7·904	53249	13	2·600	8·131
52954	10	5·099	4·886	53028	12	4·283	5·059	53102	13	2·559	6·503	53176	12	6·094	7·162	53250	13	3·289	8·636
52955	12	5·681	4·988	53029	12	4·423	5·265	53103	10	4·500	6·509	53177	9	6·481	7·380	53251*	32	3·403	8·792
52956	10	5·739	4·509	53030	21	4·464	5·277	53104	14	4·767	6·315	53178	13	6·550	7·719	53252*	32	3·463	8·436
52957	10	5·850	4·602	53031	8	4·521	5·535	53105	20	4·979	6·238	53179	10	6·855	7·044	53253	10	3·549	8·711
52958	14	6·094	4·410	53032	12	4·725	5·969	53106	9	5·575	6·771	53180	7	7·171	7·548	53254	17	3·711	8·735
52959	9	6·110	4·193	53033	10	5·930	5·909	53107	7	6·185	6·265	53181	10	7·304	7·385	53255	13	3·470	8·363
52960	12	6·181	4·651	53034	12	6·459	5·369	53108	10	6·289	6·041	53182	11	7·690	7·521	53256	11	4·545	8·446
52961	12	6·615	4·456	53035	7	6·665	5·942	53109	11	6·850	6·558	53183	8	8·124	7·665	53257	11	5·172	8·940
52962	10	7·097	4·220	53036	9	6·798	5·856	53110	10	7·226	6·136	53184	11	8·596	7·270	53258	10	6·865	8·427
52963	12	7·210	4·734	53037	7	7·075	5·482	53111	17	7·402	6·786	53185	19	8·710	7·739	53259	22	6·925	8·381
52964	14	8·400	4·477	53038	8	7·137	5·054	53112	8	7·636	6·400	53186	8	8·840	7·440	53260	12	8·732	8·457
52965	9	8·771	4·608	53039	8	7·140	5·021	53113	11	7·768	6·521	53187	13	8·980	7·904	53261	21	8·809	8·219
52966	10	8·917	4·112	53040	21	7·164	5·220	53114	10	8·105	6·287	53188	14	9·260	7·271	53262	9	8·935	8·766
52967	10	9·622	4·633	53041	10	7·221	5·141	53115	12	8·505	6·928	53189	12	9·521	7·990	53263	11	9·145	8·827
52968	12	9·629	4·645	53042	10	7·283	5·134	53116	11	8·720	6·974	53190	15	9·797	7·325	53264	9	9·490	8·041
52969	8	9·788	4·260	53043	14	7·330	5·299	53117	10	8·771	6·623	53191	12	9·936	7·315	53265	15	10·150	8·732
52970	11	9·860	4·111	53044	8	7·809	5·577	53118	12	8·866	6·891	53192	21	10·643	7·406	53266	19	10·542	8·465
52971	17	11·050	4·423	53045	17	7·900	5·146	53119	12	10·156	6·834	53193	23	11·215	7·771	53267	12	11·275	8·934
52972	18	11·411	4·974	53046	10	8·525	5·291	53120	8	10·234	6·322	53194	18	11·545	7·105	53268	12	11·423	8·658
52973	12	11·779	4·650	53047	10	8·640	5·558	53121	9	10·514	6·693	53195*	28	13·045	7·865	53269	13	11·655	8·053
52974	8	11·805	4·246	53048*	40	8·750	5·845	53122	13	10·532	6·331	53196	9	13·638	7·439	53270	26	12·810	8·783
52975	10	12·800	4·717	53049	12	8·810	5·576	53123	11	10·694	6·840	53197	13	13·679	7·070	53271	15	12·811	8·954
52976	10	13·592	4·532	53050	15	8·955	5·725	53124	10	10·954	6·741	53198	7	13·798	7·009	53272	13	13·941	8·920
52977	7	14·102	4·891	53051	12	9·195	5·241	53125	15	11·220	6·701	53199	14	14·596	7·885	53273	10	14·146	8·149
52978	14	14·624	4·462	53052	11	9·760	5·337	53126	20	11·475	6·275	53200	14	15·235	7·567	53274	22	14·233	8·227
52979	20	14·975	4·211	53053	12	9·854	5·063	53127	16	11·860	6·950	53201	18	15·342	7·227	53275	23	14·316	8·880
52980	12	15·075	4·559	53054	13	10·125	5·724	53128	12	11·874	6·352	53202	13	15·576	7·436	53276	14	14·594	8·631
52981	12	15·174	4·859	53055*	40	10·585	5·279	53129	12	12·682	6·432	53203	13	15·934	7·288	53277	30	14·719	8·741
52982	8	15·649	4·509	53056	9	10·617	5·350	53130	22	12·807	6·530	53204*	53	16·084	7·573	53278	11	14·742	8·135
52983	12	16·150	4·249	53057*	48	10·657	5·607	53131	10	12·955	6·260	53205	14	16·808	7·507	53279*	60	14·860	8·663
52984	8	17·648	4·032	53058	10	10·940	5·465	53132	19	13·923	6·119	53206	11	17·019	7·834	53280	13	15·289	8·179
52985	12	18·126	4·637	53059	9	12·510	5·055	53133	20	13·989	6·706	53207	16	18·083	7·358	53281	14	16·037	8·402
52986	7	18·170	4·935	53060	27	12·573	5·583	53134	18	15·024	6·378	53208	16	18·465	7·754	53282*	32	16·061	8·791
52987	9	18·667	4·705	53061	10	12·717	5·799	53135	32	15·055	6·782	53209	11	18·675	7·689	53283	17	16·692	8·412
52988	12	19·411	4·785	53062	10	12·922	5·183	53136*	60	15·965	6·629	53210	12	18·705	7·641	53284	34	16·888	8·163
52989	14	19·550	4·153	53063	19	14·234	5·779	53137*	26	15·984	6·175	53211	13	19·014	7·252	53285	14	18·653	8·414
52990	7	19·591	4·249	53064	10	15·010	5·710	53138	25	16·013	6·955	53212	8	19·381	7·985	53286	11	18·824	8·097
52991	8	19·855	4·304	53065	14	15·547	5·356	53139	14	17·186	6·940	53213	10	19·756	7·325	53287	14	18·889	8·539
52992	10	19·931	4·461	53066	10	15·871	5·455	53140	12	17·266	6·247	53214	16	19·844	7·309	53288	15	19·143	8·545
52993	7	19·980	4·026	53067	10	15·879	5·825	53141	29	17·451	6·695	53215*	40	19·916	7·528	53289	12	19·195	8·506

53290	9	19·474	8·830	53364	21	15·190	9·914	53438*	36	16·022	10·197	53512	20	17·175	11·180	53586	15	13·528	12·821
53291	14	19·772	8·891	53365	24	17·594	9·544	53439	16	16·273	10·717	53513	21	18·385	11·485	53587	26	13·608	12·080
53292	14	20·366	8·414	53366	15	18·065	9·804	53440	12	16·309	10·440	53514	13	18·394	11·120	53588	15	13·855	12·934
53293	11	20·535	8·174	53367	8	18·774	9·219	53441	12	16·470	10·326	53515	14	18·436	11·545	53589	12	14·753	12·620
53294	13	20·898	8·747	53368	13	19·150	9·812	53442*	34	16·737	10·517	53516	10	18·786	11·650	53590	11	14·977	12·326
53295	7	21·061	8·590	53369	12	19·781	9·280	53443	21	16·890	10·515	53517	15	18·849	11·794	53591	16	15·394	12·663
53296	14	21·075	8·965	53370	12	19·816	9·956	53444	12	17·971	10·639	53518	15	19·920	11·149	53592	12	15·445	12·790
53297	10	21·234	8·229	53371*	80	19·830	9·067	53445	14	19·330	10·817	53519	11	20·306	11·881	53593	32	15·675	12·749
53298	6	21·271	8·300	53372	13	20·046	9·632	53446	13	19·386	10·835	53520	13	20·845	11·519	53594	24	16·801	12·853
53299	12	21·431	8·439	53373	12	20·292	9·575	53447*	27	19·722	10·576	53521	14	21·226	11·204	53595	17	16·887	12·373
53300	14	22·185	8·536	53374	12	20·824	9·058	53448*	25	19·826	10·007	53522	20	21·368	11·634	53596	22	17·266	12·860
53301	13	22·379	8·660	53375	8	21·382	9·372	53449	11	20·554	10·420	53523	8	21·549	11·019	53597*	44	17·515	12·233
53302	7	22·501	8·474	53376	7	21·816	9·323	53450	10	20·710	10·154	53524	10	21·759	11·560	53598	13	17·567	12·071
53303	12	22·565	8·905	53377	8	22·721	9·541	53451	11	21·100	10·259	53525	11	21·900	11·354	53599	15	17·985	12·697
53304*	45	22·570	8·216	53378	8	23·059	9·996	53452	8	21·331	10·034	53526*	25	23·370	11·214	53600	23	19·102	12·702
53305	8	23·221	8·835	53379	9	23·488	9·213	53453	12	21·494	10·557	53527	11	23·506	11·588	53601	15	21·355	12·639
53306	8	23·276	8·919	53380	7	23·516	9·739	53454	12	21·518	10·045	53528	8	24·225	11·306	53602	10	21·425	12·514
53307	8	23·615	8·978	53381	9	23·680	9·629	53455	15	22·156	10·119	53529	9	24·335	11·656	53603	12	21·665	12·647
53308	15	23·710	8·875	53382	10	23·707	9·830	53456	11	22·255	10·585	53530	9	24·426	11·939	53604	13	22·121	12·646
53309	9	23·882	8·692	53383	12	24·048	9·823	53457	12	22·668	10·091	53531	15	25·140	11·394	53605	10	22·952	12·376
53310	7	24·397	8·052	53384	11	24·242	9·509	53458	12	22·673	10·433	53532	6	25·150	11·909	53606	10	23·359	12·590
53311	9	24·958	8·355	53385	14	25·059	9·943	53459	22	22·674	10·465	53533	8	25·286	11·353	53607	15	25·068	12·462
53312	8	25·213	8·875	53386	11	25·208	9·045	53460	12	23·043	10·718	53534	10	25·320	11·683	53608	10	25·253	12·047
53313	8	25·255	8·395	53387	8	25·554	9·317	53461	22	23·175	10·763	53535	30	0·127	12·509	53609	10	25·274	12·197
53314	9	25·431	8·773	53388	12	25·842	9·636	53462	11	23·265	10·430	53536	31	0·275	12·874	53610	15	25·368	12·845
53315	10	25·761	8·463	53389	15	0·436	10·858	53463	10	24·086	10·727	53537	27	0·640	12·309	53611	8	25·381	12·461
53316	8	25·986	8·356	53390	17	0·473	10·715	53464	14	24·232	10·998	53538	18	0·740	12·025	53612	10	25·864	12·735
53317	19	0·225	9·161	53391	22	0·474	10·413	53465	7	24·691	10·243	53539	14	1·019	12·318	53613*	51	25·875	12·004
53318	13	0·681	9·644	53392	22	0·675	10·790	53466	10	24·875	10·727	53540	13	1·180	12·660	53614	19	0·293	13·174
53319	15	0·922	9·617	53393	31	0·755	10·375	53467	9	24·875	10·077	53541	13	1·241	12·707	53615	22	0·310	13·495
53320	20	0·972	9·691	53394	24	0·902	10·239	53468	11	24·924	10·586	53542	16	1·306	12·709	53616	18	0·421	13·419
53321	27	1·119	9·283	53395	15	1·000	10·045	53469	15	0·021	11·139	53543	33	1·384	12·914	53617	16	0·595	13·350
53322	25	1·675	9·114	53396	13	1·120	10·930	53470	24	0·734	11·526	53544	10	1·415	12·587	53618	14	1·222	13·669
53323	22	1·820	9·750	53397	13	1·178	10·047	53471	18	0·779	11·886	53545	15	1·878	12·705	53619	14	2·085	13·297
53324	12	2·170	9·025	53398	15	1·293	10·771	53472	17	0·799	11·914	53546	12	2·119	12·190	53620	9	2·230	13·780
53325	28	2·465	9·126	53399	14	1·467	10·318	53473	16	0·830	11·845	53547	13	2·159	12·155	53621	8	2·495	13·519
53326	13	2·700	9·497	53400	32	1·506	10·340	53474	15	1·219	11·725	53548	14	2·298	12·259	53622	27	2·802	13·125
53327	10	3·035	9·060	53401	15	1·548	10·665	53475	16	1·610	11·531	53549	14	2·427	12·457	53623	21	2·880	13·158
53328	17	3·363	9·766	53402	12	1·623	10·887	53476	10	1·939	11·668	53550	14	2·462	12·796	53624	10	3·173	13·672
53329	11	3·584	9·611	53403	22	1·985	10·501	53477	12	2·005	11·241	53551*	33	2·940	12·730	53625	8	3·795	13·848
53330	10	4·100	9·567	53404	24	2·140	10·861	53478	34	2·032	11·176	53552	10	3·117	12·441	53626*	32	3·873	13·471
53331	8	4·360	9·646	53405	32	2·448	10·247	53479*	52	2·035	11·217	53553	22	3·270	12·839	53627	8	4·215	13·510
53332	10	4·507	9·902	53406	22	2·515	10·553	53480	14	2·097	11·980	53554	8	3·486	12·914	53628	8	4·390	13·540
53333	9	4·709	9·725	53407	27	2·545	10·326	53481	14	2·154	11·431	53555	10	4·129	12·513	53629	9	4·529	13·006
53334	10	4·829	9·861	53408	15	3·474	10·355	53482	27	2·558	11·858	53556	22	4·374	12·451	53630	16	4·716	13·111
53335	10	5·036	9·028	53409	8	3·640	10·148	53483	21	2·681	11·508	53557	11	5·195	12·339	53631	23	5·031	13·525
53336	9	5·195	9·726	53410	12	3·820	10·935	53484	16	2·684	11·585	53558	9	5·215	12·534	53632	8	5·251	13·621
53337	12	5·373	9·994	53411	23	4·438	10·879	53485	13	3·232	11·231	53559	10	5·570	12·250	53633	16	5·266	13·094
53338	12	6·106	9·164	53412	9	4·540	10·742	53486	32	3·315	11·619	53560	11	5·622	12·501	53634	10	5·531	13·000
53339	15	6·185	9·210	53413	8	4·555	10·677	53487	32	3·379	11·144	53561	8	5·626	12·749	53635	19	5·998	13·734
53340	14	6·399	9·673	53414	12	4·704	10·428	53488	10	3·464	11·905	53562	20	5·640	12·009	53636	8	6·431	13·841
53341	25	6·409	9·458	53415	9	4·755	10·660	53489	18	3·957	11·895	53563	14	5·821	12·321	53637	9	6·730	13·243
53342	12	7·259	9·010	53416	10	4·840	10·009	53490	14	3·984	11·834	53564	9	6·526	12·114	53638	20	7·670	13·730
53343	9	7·727	9·711	53417	9	4·846	10·759	53491	13	3·987	11·448	53565	8	6·698	12·918	53639	13	8·941	13·943
53344	10	8·075	9·543	53418	21	5·447	10·349	53492	9	4·215	11·057	53566	10	6·915	12·435	53640	12	9·075	13·842
53345	15	8·250	9·915	53419	10	5·717	10·775	53493	9	4·218	11·470	53567	9	7·027	12·824	53641	16	9·579	13·203
53346	14	8·381	9·149	53420	13	5·976	10·052	53494	12	4·535	11·435	53568	12	7·089	12·973	53642	11	9·976	13·916
53347	10	8·463	9·675	53421	8	6·074	10·673	53495	12	5·029	11·860	53569	7	7·418	12·327	53643	15	12·459	13·133
53348	14	8·827	9·941	53422	12	6·190	10·754	53496	20	5·105	11·906	53570	8	7·655	12·210	53644	14	12·971	13·097
53349	15	9·990	9·309	53423	10	6·267	10·523	53497	8	5·317	11·702	53571	10	7·726	12·571	53645	24	13·297	13·606
53350	10	10·185	9·380	53424	11	6·466	10·737	53498	9	5·526	11·675	53572	14	7·851	12·514	53646	21	13·370	13·822
53351	12	10·781	9·186	53425	12	8·405	10·234	53499	16	5·586	11·606	53573	8	7·980	12·450	53647	17	13·545	13·506
53352	12	11·175	9·278	53426	10	9·300	10·792	53500	10	7·110	11·475	53574	10	8·342	12·134	53648*	40	14·131	13·747
53353	15	11·730	9·267	53427	15	9·674	10·847	53501	13	7·181	11·726	53575	14	9·109	12·615	53649	14	14·557	13·162
53354	12	12·819	9·473	53428	14	10·972	10·530	53502	8	7·781	11·424	53576	14	9·245	12·034	53650	18	14·584	13·020
53355	16	13·119	9·530	53429	13	11·100	10·130	53503	13	7·826	11·774	53577	11	9·573	12·761	53651	17	14·757	13·683
53356	12	13·169	9·704	53430	12	11·476	10·148	53504	10	8·434	11·935	53578	12	9·870	12·897	53652	13	15·194	13·569
53357	10	13·365	9·046	53431	8	13·173	10·349	53505	11	10·605	11·784	53579	14	9·940	12·882	53653	16	15·876	13·697
53358	13	13·702	9·189	53432	12	13·400	10·785	53506	14	10·707	11·744	53580	13	10·719	12·164	53654	12	15·877	13·638
53359	17	13·730	9·529	53433	14	13·706	10·033	53507	16	11·205	11·027	53581	13	11·170	12·340	53655	15	16·707	13·066
53360	16	14·130	9·815	53434	16	14·439	10·580	53508	14	12·610	11·749	53582	17	11·458	12·751	53656	13	17·453	13·500
53361	14	14·732	9·090	53435	18	15·382	10·065	53509	17	12·755	11·615	53583	15	11·962	12·805	53657	12	18·647	13·469
53362	14	14·856	9·635	53436	16	15·738	10·883	53510	20	14·118	11·526	53584	15	12·112	12·109	53658	12	18·875	13·496
53363	11	15·179	9·899	53437*	35	15·879	10·175	53511	16	14·511	11·300	53585	15	13·220	12·113	53659	13	19·562	13·633

53660	12	20·637	13·503	53734	10	20·963	14·464	53808	10	16·426	15·715	53882	12	15·291	16·865	53956	10	10·976	17·966
53661	25	20·730	13·108	53735	14	21·015	14·854	53809	13	16·573	15·591	53883	12	15·460	16·765	53957	23	11·755	17·476
53662	10	21·034	13·451	53736	17	21·040	14·783	53810	12	17·421	15·501	53884	23	15·865	16·354	53958	12	12·391	17·356
53663	13	21·119	13·580	53737	7	21·351	14·686	53811	9	17·856	15·294	53885	10	15·896	16·535	53959	22	12·505	17·417
53664	7	21·135	13·195	53738	8	21·578	14·750	53812	10	18·423	15·300	53886	14	16·716	16·805	53960	16	12·990	17·003
53665	14	21·170	13·995	53739	11	22·413	14·664	53813	13	19·065	15·287	53887	16	16·910	16·309	53961	19	13·423	17·270
53666	8	22·626	13·359	53740	10	22·540	14·309	53814	13	19·231	15·989	53888	12	18·066	16·610	53962	11	13·935	17·948
53667	9	23·454	13·325	53741	10	22·578	14·707	53815	13	20·077	15·685	53889	10	18·082	16·341	53963	11	14·601	17·093
53668	10	23·550	13·939	53742	13	22·668	14·578	53816	24	20·164	15·937	53890	12	18·576	16·059	53964	10	15·036	17·640
53669	12	23·966	13·145	53743	17	22·695	14·795	53817	19	21·059	15·847	53891	14	18·849	16·677	53965	16	15·445	17·174
53670	30	24·001	13·452	53744	9	22·764	14·892	53818	10	21·695	15·816	53892	9	19·225	16·610	53966	8	15·519	17·207
53671	10	24·377	13·722	53745	7	22·849	14·476	53819	12	21·936	15·556	53893	15	19·381	16·052	53967	9	15·770	17·377
53672	10	24·470	13·404	53746	15	23·204	14·919	53820	8	22·961	15·341	53894	16	19·959	16·657	53968	8	15·972	17·494
53673	12	25·245	13·073	53747	10	23·217	14·683	53821	12	23·115	15·205	53895	14	20·339	16·009	53969	8	16·068	17·182
53674	9	25·800	13·140	53748	18	23·326	14·869	53822	7	23·367	15·945	53896	16	20·352	16·945	53970	11	16·350	17·393
53675	8	25·984	13·805	53749	7	23·334	14·550	53823	8	23·700	15·249	53897	20	20·375	16·891	53971	12	16·415	17·500
53676	21	0·073	14·476	53750	8	23·648	14·902	53824	12	23·959	15·061	53898*	29	20·639	16·689	53972	14	16·756	17·708
53677	25	0·156	14·749	53751	10	23·840	14·875	53825	8	24·469	15·427	53899	7	20·936	16·206	53973	7	16·895	17·985
53678	25	0·545	14·865	53752	15	24·115	14·232	53826	7	24·567	15·657	53900	17	21·135	16·060	53974	12	17·468	17·345
53679	22	0·848	14·448	53753	14	25·323	14·757	53827	10	25·089	15·304	53901	14	21·884	16·764	53975	16	17·928	17·480
53680	25	1·275	14·886	53754	12	25·750	14·421	53828*	20	25·250	15·210	53902	8	22·516	16·640	53976	14	18·367	17·529
53681	16	1·566	14·000	53755	12	0·145	15·367	53829	8	25·266	15·215	53903	10	22·639	16·603	53977	32	18·630	17·315
53682	15	1·639	14·730	53756*	47	0·182	15·752	53830	17	0·008	16·634	53904	10	22·815	16·735	53978	10	18·802	17·547
53683	12	2·087	14·129	53757	21	0·345	15·287	53831	28	0·385	16·195	53905	11	22·975	16·116	53979	8	19·211	17·639
53684	14	2·375	14·583	53758	13	0·578	15·274	53832	14	2·150	16·375	53906	10	23·360	16·395	53980	22	19·402	17·905
53685	25	2·875	14·790	53759	23	1·046	15·225	53833	15	2·204	16·840	53907	10	23·854	16·315	53981	8	19·747	17·816
53686	16	2·951	14·201	53760	26	1·110	15·099	53834	30	2·566	16·736	53908	10	23·951	16·318	53982	8	19·845	17·377
53687	18	3·909	14·900	53761	12	1·648	15·958	53835*	48	2·887	16·737	53909	8	24·174	16·479	53983	9	19·975	17·836
53688	13	4·220	14·113	53762	13	1·753	15·405	53836	14	3·527	16·720	53910	12	24·331	16·314	53984	18	20·793	17·474
53689	8	4·313	14·665	53763	16	1·846	15·012	53837	12	3·528	16·572	53911	10	24·690	16·633	53985	8	20·820	17·640
53690	19	5·168	14·355	53764	13	2·030	15·826	53838	12	3·600	16·417	53912	11	25·043	16·911	53986	16	21·475	17·234
53691	7	5·434	14·559	53765	15	2·344	15·953	53839	12	3·900	16·054	53913	10	25·090	16·584	53987	20	22·017	17·409
53692	8	5·594	14·106	53766	30	2·394	15·556	53840	23	3·974	16·061	53914	19	0·158	17·806	53988	9	22·029	17·580
53693	22	5·898	14·510	53767	9	2·740	15·223	53841	11	3·995	16·111	53915	17	0·164	17·940	53989	11	22·075	17·666
53694	21	6·106	14·436	53768	25	3·141	15·036	53842	12	4·136	16·182	53916	15	0·492	17·017	53990	24	22·136	17·450
53695	10	6·491	14·074	53769	12	3·675	15·081	53843	11	4·190	16·526	53917	41	0·585	17·524	53991	9	22·156	17·884
53696	8	6·830	14·015	53770	7	4·290	15·271	53844	18	4·538	16·623	53918	40	1·085	17·535	53992	8	22·267	17·617
53697	9	6·971	14·491	53771	12	4·317	15·528	53845	9	5·214	16·546	53919	12	2·312	17·586	53993	10	22·654	17·296
53698	12	7·555	14·616	53772	12	4·328	15·714	53846	22	5·285	16·529	53920*	51	2·990	17·987	53994	11	22·715	17·311
53699	12	7·666	14·418	53773	12	4·680	15·940	53847	11	5·310	16·144	53921	13	3·194	17·019	53995	10	22·936	17·373
53700	10	7·700	14·839	53774	19	4·810	15·175	53848	12	5·375	16·596	53922	14	3·410	17·776	53996	11	23·292	17·467
53701	8	8·020	14·129	53775	13	5·490	15·901	53849	9	5·854	16·646	53923	21	3·582	17·402	53997	8	23·690	17·566
53702	10	8·390	14·367	53776	10	6·714	15·567	53850	8	6·025	16·705	53924*	32	3·586	17·384	53998	7	24·061	17·837
53703	9	8·564	14·293	53777	9	6·730	15·569	53851	18	6·319	16·880	53925	22	3·764	17·205	53999	10	24·087	17·836
53704	15	8·904	14·127	53778	9	6·785	15·625	53852	20	6·373	16·750	53926	11	4·459	17·985	54000	15	24·345	17·049
53705	12	9·755	14·382	53779	8	6·966	15·729	53853	11	6·320	16·195	53927	32	4·600	17·441	54001	9	24·576	17·139
53706	13	9·945	14·662	53780	19	7·283	15·863	53854	9	6·454	16·533	53928	8	4·717	17·164	54002	18	25·199	17·458
53707	8	9·991	14·797	53781	9	7·780	15·475	53855	10	6·940	16·315	53929	9	5·116	17·875	54003	8	25·467	17·284
53708	22	10·210	14·675	53782	8	7·967	15·513	53856	8	7·374	16·225	53930	12	5·177	17·188	54004	15	1·100	18·711
53709	12	10·668	14·880	53783	8	8·274	15·289	53857	7	7·401	16·357	53931	18	5·404	17·586	54005	28	1·221	18·715
53710	10	10·793	14·435	53784*	29	8·370	15·109	53858	9	7·759	16·025	53932*	30	5·478	17·092	54006	23	1·799	18·533
53711	13	11·130	14·159	53785	9	8·787	15·370	53859	6	7·880	16·447	53933	12	5·662	17·013	54007	10	2·309	18·121
53712	14	11·187	14·516	53786	9	9·295	15·453	53860	7	7·950	16·465	53934	14	5·705	17·825	54008	15	2·825	18·141
53713	13	11·690	14·985	53787	19	9·748	15·580	53861	10	8·220	16·496	53935	8	5·778	17·191	54009	17	2·916	18·400
53714	11	11·940	14·906	53788	9	9·911	15·025	53862	22	8·465	16·705	53936	21	6·216	17·095	54010	19	3·426	18·599
53715	16	12·216	14·793	53789	14	10·015	15·617	53863	8	8·575	16·706	53937	12	6·277	17·479	54011	17	3·495	18·421
53716	17	12·852	14·284	53790	14	10·982	15·069	53864	9	8·680	16·999	53938	7	6·307	17·123	54012	17	3·499	18·348
53717	13	13·208	14·845	53791	19	11·000	15·804	53865	9	8·740	16·726	53939	11	6·517	17·184	54013	12	3·626	18·785
53718*	28	13·683	14·135	53792	23	11·388	15·533	53866	27	9·515	16·775	53940	12	6·582	17·716	54014	12	3·689	18·000
53719	14	13·756	14·553	53793	12	11·426	15·072	53867	13	9·752	16·370	53941	8	7·120	17·574	54015	13	3·829	18·537
53720	21	13·840	14·027	53794	9	11·647	15·124	53868	10	9·930	16·576	53942	13	7·125	17·479	54016	9	4·520	18·984
53721	16	14·210	14·926	53795	14	12·071	15·506	53869	7	10·242	16·753	53943	14	7·690	17·466	54017	8	4·755	18·100
53722	14	14·269	14·901	53796	13	12·678	15·318	53870	10	10·300	16·936	53944	9	7·845	17·678	54018	23	5·211	18·150
53723	13	14·506	14·295	53797	19	12·980	15·490	53871	11	10·500	16·392	53945	14	7·975	17·140	54019	22	5·335	18·828
53724	16	15·676	14·440	53798	12	13·428	15·759	53872	12	10·535	16·506	53946	8	8·324	17·712	54020	8	5·405	18·042
53725	20	17·091	14·445	53799	15	13·670	15·598	53873*	29	10·764	16·206	53947	9	8·523	17·825	54021	12	5·559	18·352
53726	8	18·248	14·471	53800	15	14·332	15·393	53874	10	10·861	16·288	53948	10	8·724	17·141	54022	13	5·677	18·651
53727	11	18·432	14·067	53801	14	14·559	15·874	53875*	31	11·700	16·862	53949	9	9·064	17·024	54023	8	5·680	18·680
53728	15	18·845	14·275	53802	13	14·659	15·915	53876	23	12·395	16·344	53950	8	9·679	17·896	54024	8	6·629	18·086
53729	12	19·192	14·736	53803	15	14·706	15·375	53877	13	13·034	16·480	53951	10	9·680	17·612	54025	9	6·685	18·425
53730	15	19·277	14·216	53804	14	15·904	15·904	53878	14	13·240	16·807	53952	7	9·861	17·970	54026	12	7·268	18·714
53731*	31	19·325	14·990	53805	12	15·922	15·136	53879	23	13·345	16·329	53953	9	10·030	17·702	54027	8	7·689	18·270
53732	19	19·784	14·747	53806	9	15·963	15·853	53880	15	13·636	16·718	53954	8	10·085	17·991	54028	10	7·695	18·580
53733	9	19·896	14·152	53807	16	16·064	15·631	53881	10	15·216	16·515	53955	18	10·765	17·873	54029	9	7·721	18·156

54030	8	7·728	18·467	54104	22	3·930	19·380	54178	12	23·605	19·458	54252	8	17·965	20·316	54326	22	10·361	21·578
54031	14	8·045	18·116	54105	18	4·150	19·240	54179	11	24·040	19·513	54253	17	18·171	20·233	54327	20	10·450	21·824
54032	19	8·860	18·536	54106	31	4·229	19·427	54180	12	24·140	19·350	54254	11	18·370	20·791	54328	7	10·629	21·249
54033	7	8·875	18·576	54107	14	4·336	19·436	54181	11	24·445	19·186	54255	24	18·575	20·008	54329	7	10·874	21·348
54034	21	8·910	18·565	54108	10	4·520	19·566	54182	7	24·691	19·115	54256	9	18·579	20·515	54330	7	11·109	21·268
54035	8	9·420	18·102	54109	7	4·889	19·024	54183	9	24·734	19·459	54257	7	19·862	20·850	54331	9	11·386	21·696
54036	11	9·855	18·053	54110	12	5·325	19·597	54184	11	24·747	19·209	54258	12	20·415	20·316	54332	7	11·455	21·867
54037	9	10·208	18·326	54111	13	5·957	19·580	54185	9	24·970	19·109	54259	11	20·493	20·815	54333	9	11·515	21·308
54038	8	10·319	18·829	54112	10	6·278	19·349	54186	11	25·211	19·685	54260	30	20·505	20·865	54334	10	11·981	21·358
54039	8	10·444	18·626	54113	31	6·326	19·791	54187	17	25·340	19·247	54261	10	20·652	20·272	54335	9	11·986	21·547
54040	9	10·490	18·569	54114	12	7·105	19·555	54188	16	25·386	19·589	54262	9	20·905	20·644	54336	8	12·021	21·429
54041	21	10·833	18·941	54115	20	7·326	19·693	54189	11	25·731	19·713	54263	11	21·030	20·524	54337	8	12·084	21·725
54042	10	10·917	18·990	54116	12	7·350	19·426	54190	10	25·837	19·171	54264	13	21·647	20·141	54338	9	12·131	21·061
54043	13	11·207	18·225	54117	10	7·407	19·419	54191	21	25·947	19·457	54265	9	22·370	20·836	54339	12	12·284	21·186
54044	10	11·208	18·590	54118	12	7·441	19·194	54192	40	0·094	20·419	54266	8	22·671	20·404	54340	8	12·337	21·259
54045	10	11·263	18·390	54119	12	7·541	19·926	54193	38	0·510	20·593	54267	7	22·802	20·318	54341	9	12·475	21·980
54046*	38	11·313	18·565	54120	23	7·571	19·795	54194	40	0·534	20·276	54268	16	22·897	20·704	54342	9	12·594	21·480
54047	10	11·864	18·590	54121	8	7·860	19·906	54195	20	2·119	20·824	54269	7	23·491	20·303	54343	22	12·925	21·418
54048	12	12·739	18·730	54122	10	7·965	19·842	54196	16	2·212	20·997	54270	8	23·675	20·661	54344	16	12·964	21·535
54049*	34	12·766	18·050	54123	15	8·635	19·442	54197	20	2·251	20·634	54271	12	23·699	20·569	54345	8	13·240	21·830
54050	21	13·160	18·084	54124	10	8·814	19·426	54198	19	2·568	20·711	54272	7	23·980	20·652	54346	12	13·634	21·208
54051	12	13·274	18·968	54125	7	9·011	19·199	54199	17	3·395	20·943	54273	11	24·068	20·613	54347	10	13·764	21·540
54052	9	13·370	18·974	54126	10	9·068	19·205	54200	17	3·793	20·948	54274	10	24·123	20·030	54348	9	13·925	21·714
54053	11	13·831	18·519	54127	12	9·155	19·565	54201	18	4·305	20·799	54275	21	24·135	20·584	54349	9	14·194	21·931
54054	22	13·960	18·898	54128	14	9·170	19·084	54202	12	4·356	20·957	54276	13	24·560	20·935	54350	10	14·509	21·091
54055	11	14·134	18·235	54129	7	9·311	19·756	54203*	41	4·809	20·826	54277	14	24·608	20·523	54351	21	14·631	21·810
54056	12	14·159	18·566	54130	8	9·405	19·277	54204	10	5·185	20·002	54278	18	25·914	20·196	54352	12	14·757	21·921
54057	11	14·280	18·977	54131*	27	9·860	19·393	54205	15	5·790	20·780	54279	23	0·248	21·376	54353*	30	14·997	21·646
54058	10	14·469	18·990	54132	12	9·900	19·737	54206	14	6·322	20·122	54280	38	0·334	21·552	54354	10	15·571	21·102
54059	12	15·921	18·890	54133	11	10·225	19·604	54207	13	6·419	20·540	54281	28	0·574	21·527	54355	10	15·883	21·604
54060	13	16·040	18·156	54134	10	10·401	19·900	54208	8	6·609	20·044	54282	25	0·640	21·647	54356	10	15·963	21·430
54061	11	16·083	18·580	54135	9	10·881	19·547	54209	10	6·640	20·116	54283	31	0·737	21·681	54357	15	16·010	21·351
54062	10	16·695	18·723	54136	8	11·315	19·705	54210	12	6·825	20·575	54284	31	0·765	21·915	54358	12	16·250	21·963
54063	12	17·381	18·235	54137	11	11·957	19·030	54211	12	6·858	20·126	54285	36	0·772	21·036	54359	8	16·325	21·344
54064*	22	18·407	18·366	54138	13	12·449	19·498	54212	10	6·866	20·395	54286	35	0·946	21·759	54360	12	16·516	21·906
54065	13	18·574	18·559	54139	12	12·575	19·925	54213	10	7·210	20·358	54287	21	1·175	21·351	54361	7	17·180	21·951
54066	6	18·650	18·287	54140	9	12·647	19·572	54214	7	7·247	20·866	54288	16	1·874	21·325	54362	11	17·468	21·763
54067	31	19·110	18·716	54141	10	13·024	19·755	54215	9	7·280	20·477	54289	15	2·349	21·119	54363	9	18·530	21·851
54068	31	19·156	18·889	54142	7	13·420	19·516	54216	8	7·615	20·511	54290	16	2·394	21·194	54364	9	19·340	21·860
54069	23	20·095	18·951	54143	10	13·421	19·564	54217	6	7·656	20·411	54291	44	2·525	21·741	54365	8	19·705	21·022
54070	8	20·154	18·397	54144	11	13·873	19·579	54218	11	8·045	20·980	54292	16	3·071	21·801	54366	11	19·745	21·819
54071	9	20·289	18·180	54145	9	14·281	19·973	54219	8	8·129	20·311	54293	13	4·676	21·573	54367	10	19·971	21·834
54072	8	20·501	18·648	54146	19	15·116	19·486	54220	10	8·324	20·625	54294	16	4·769	21·886	54368	6	20·050	21·442
54073	9	20·583	18·619	54147	9	15·430	19·814	54221	21	9·688	20·448	54295	22	5·024	21·502	54369	14	21·707	21·872
54074	9	21·036	18·323	54148	10	15·851	19·981	54222	11	9·767	20·106	54296	19	5·505	21·220	54370	9	21·974	21·048
54075	10	21·347	18·558	54149	8	16·140	19·665	54223	8	10·055	20·035	54297	11	5·904	21·300	54371	10	22·161	21·109
54076	19	21·971	18·615	44150	10	17·109	19·367	54224	8	10·204	20·547	54298	16	6·115	21·761	54372	10	22·437	21·182
54077	18	22·395	18·627	54151	10	17·765	19·950	54225	10	10·710	20·089	54299	12	6·227	21·561	54373	22	22·439	21·597
54078	10	22·708	18·801	54152	10	18·111	19·902	54226	10	10·755	20·531	54300	12	6·419	21·690	54374	12	22·606	21·981
54079	8	23·214	18·836	54153	7	18·845	19·989	54227	7	10·777	20·732	54301	12	6·471	21·575	54375	8	22·630	21·363
54080	9	23·338	18·540	54154	11	19·180	19·831	54228	6	10·899	20·054	54302	13	6·575	21·968	54376	9	22·957	21·854
54081	8	23·354	18·940	54155	12	19·350	19·050	54229	7	11·370	20·501	54303	17	6·609	21·192	54377	13	23·119	21·648
54082	8	24·706	18·701	54156	14	19·400	19·001	54230	7	11·815	20·634	54304	9	6·687	21·840	54378	8	23·381	21·643
54083	10	24·898	18·785	54157	22	19·480	19·830	54231	9	11·877	20·960	54305	18	6·795	21·571	54379	12	23·450	21·717
54084	10	24·938	18·260	54158	6	19·665	19·825	54232	8	11·957	20·915	54306	10	6·830	21·229	54380	14	24·565	21·724
54085	11	25·077	18·240	54159	11	20·084	19·427	54233	9	12·272	20·355	54307	14	7·525	21·404	54381	10	24·925	21·712
54086	19	25·801	18·665	54160	11	20·427	19·215	54234	16	12·580	20·428	54308	11	7·578	21·214	54382	12	24·950	21·754
54087	12	25·949	18·159	54161	24	20·485	19·475	54235	10	12·904	20·501	54309	9	7·592	21·966	54383	15	25·565	21·758
54088	21	0·030	19·136	54162	14	20·650	19·312	54236	16	12·935	20·985	54310	13	7·722	21·430	54384	16	25·585	21·594
54089	41	0·600	19·637	54163	12	20·780	19·502	54237	9	13·005	20·836	54311	10	8·461	21·415	54385	33	1·391	22·184
54090	15	0·803	19·125	54164	9	20·824	19·186	54238	11	13·057	20·950	54312	8	8·549	21·114	54386	33	3·218	22·870
54091	29	0·946	19·015	54165	15	21·184	19·277	54239	9	13·084	20·033	54313	12	8·836	21·570	54387	15	4·021	22·134
54092	21	1·881	19·453	54166	10	21·542	19·399	54240	7	13·648	20·953	54314	9	8·971	21·290	54388	23	4·156	22·909
54093	14	2·015	19·253	54167	14	21·693	19·090	54241	9	14·078	20·425	54315	12	9·183	21·204	54389	21	4·494	22·938
54094	12	2·080	19·050	54168	8	21·733	19·036	54242	31	14·590	20·668	54316	8	9·470	21·362	54390	18	4·741	22·415
54095	16	2·099	19·070	54169	12	21·959	19·028	54243	10	14·605	20·910	54317	10	9·543	21·426	54391	15	4·782	22·737
54096	25	2·118	19·289	54170	9	22·240	19·773	54244	10	15·465	20·135	54318	12	9·641	21·911	54392	12	5·416	22·264
54097	32	2·285	19·858	54171	10	22·275	19·745	54245	10	15·622	20·597	54319	10	9·845	21·231	54393	16	5·452	22·785
54098	16	2·446	19·457	54172	10	22·299	19·201	54246	31	15·786	20·188	54320	9	9·956	21·008	54394	12	5·736	22·035
54099	18	2·719	19·835	54173*	54	22·501	19·162	54247	16	15·850	20·867	54321	6	10·198	21·800	54395	18	6·286	22·082
54100	20	2·905	19·546	54174*	31	23·069	19·405	54248	14	15·905	20·339	54322	9	10·265	21·945	54396	15	6·341	22·061
54101	18	3·311	19·890	54175*	28	23·135	19·741	54249	7	16·037	20·305	54323	17	10·291	21·853	54397	10	6·359	22·076
54102*	42	3·354	19·043	54176	10	23·363	19·193	54250	12	16·415	20·892	54324	9	10·305	21·166	54398	24	6·493	22·081
54103	17	3·645	19·040	54177	17	23·481	19·905	54251	8	16·982	20·447	54325	7	10·327	21·716	54399	19	6·600	22·732

54400	12	6·715	22·615
54401	16	7·085	22·789
54402	18	7·139	22·456
54403	11	7·145	22·017
54404	13	7·160	22·831
54405	9	7·206	22·144
54406	9	8·337	22·385
54407	9	8·384	22·111
54408	18	8·611	22·928
54409	9	8·971	22·160
54410	9	9·079	22·157
54411	22	9·080	22·576
54412*	31	9·483	22·296
54413	10	9·541	22·488
54414	17	9·866	22·140
54415	9	10·379	22·515
54416	10	10·480	22·110
54417	12	10·544	22·756
54418	9	10·631	22·916
54419	23	11·022	22·226
54420	9	11·041	22·475
54421	12	11·324	22·053
54422	9	12·028	22·810
54423	14	12·178	22·394
54424	8	12·475	22·320
54425	15	12·491	22·496
54426	6	12·530	22·314
54427	8	12·755	22·240
54428	10	12·774	22·480
54429	7	12·821	22·541
54430	14	12·866	22·959
54431	11	13·029	22·855
54432	8	13·140	22·276
54433	15	13·140	22·175
54434	9	13·153	22·661
54435	9	13·252	22·379
54436	24	13·655	22·200
54437	13	14·377	22·625
54438	10	14·431	22·752
54439	7	14·556	22·604
54440	8	14·771	22·414
54441	8	14·794	22·654
54442	11	15·673	22·505
54443	8	15·745	22·683
54444	9	15·977	22·384
54445	7	16·367	22·100
54446	9	16·700	22·411
54447	7	17·060	22·295
54448	7	17·074	22·350
54449	8	17·225	22·231
54450	8	17·341	22·645
54451	12	17·663	22·890
54452	8	17·790	22·992
54453	9	18·307	22·896
54454	30	18·356	22·947
54455	7	18·426	22·029
54456	10	18·478	22·579
54457	14	18·941	22·218
54458	8	19·383	22·948
54459	9	19·452	22·293
54460	8	19·523	22·841
54461	22	19·720	22·116
54462	12	20·218	22·868
54463	20	20·261	22·929
54464	13	20·339	22·462
54465	6	20·965	22·276
54466	8	21·155	22·474
54467	9	21·411	22·483
54468*	40	21·792	22·545
54469	10	21·905	22·074
54470	8	22·445	22·349
54471	7	22·457	22·489
54472	10	22·565	22·625
54473	11	22·641	22·149

54474	12	22·840	22·325
54475	12	23·380	22·967
54476	9	23·549	22·789
54477	16	23·841	22·343
54478	29	23·866	22·734
54479	15	24·105	22·311
54480	12	24·197	22·862
54481	15	24·850	22·801
54482	16	25·421	22·972
54483	13	25·845	22·539
54484	34	0·504	23·091
54485	33	2·137	23·674
54486	30	2·352	23·526
54487	17	2·739	23·039
54488	18	2·931	23·267
54489	22	3·012	23·195
54490	34	3·554	23·231
54491	18	3·731	23·328
54492	12	4·024	23·498
54493	34	4·195	23·590
54494	27	4·750	23·497
54495	13	4·952	23·499
54496	12	5·247	23·890
54497	19	5·666	23·435
54498	17	5·735	23·496
54499	12	6·090	23·418
54500	12	6·371	23·625
54501	21	6·439	23·565
54502	9	6·497	23·699
54503	10	6·644	23·030
54504	21	6·701	23·511
54505	13	6·812	23·951
54506	12	7·243	23·923
54507	11	7·294	23·062
54508	12	7·702	23·754
54509	10	8·361	23·450
54510	20	8·460	23·482
54511	12	8·799	23·559
54512	28	8·830	23·582
54513	13	9·074	23·616
54514	10	9·539	23·830
54515	12	9·585	23·614
54516	15	10·144	23·389
54517	10	10·243	23·186
54518	19	10·526	23·394
54519	8	10·549	23·014
54520	10	10·770	23·760
54521	9	10·900	23·066
54522	21	10·902	23·852
54523	13	10·976	23·975
54524	9	11·108	23·687
54525	7	11·252	23·374
54526	16	11·508	23·205
54527	23	11·651	23·940
54528	9	11·812	23·135
54529	13	12·215	23·274
54530	9	12·326	23·877
54531	8	12·750	23·712
54532	18	13·031	23·616
54533	8	13·174	23·067
54534	8	13·275	23·285
54535	30	13·553	23·176
54536	8	14·251	23·023
54537	6	14·428	23·048
54538	7	14·446	23·735
54539	7	14·670	23·315
54540	20	15·075	23·117
54541	8	15·250	23·380
54542	22	15·745	23·180
54543	8	15·787	23·685
54544	7	16·406	23·058
54545	10	16·495	23·468
54546	7	16·581	23·037
54547	8	16·617	23·509

54548	12	16·812	23·133
54549	8	16·949	23·175
54550	8	16·960	23·763
54551	8	17·345	23·375
54552	8	17·481	23·236
54553	12	17·627	23·885
54554	12	18·436	23·633
54555	13	18·680	23·765
54556	9	18·818	23·361
54557	23	18·885	23·846
54558	9	19·097	23·777
54559	20	19·343	23·671
54560	9	19·434	23·555
54561	15	20·679	23·600
54562	16	21·327	23·280
54563	9	21·457	23·069
54564	10	22·292	23·611
54565	12	22·814	23·596
54566	13	22·993	23·966
54567	12	23·058	23·909
54568	12	23·621	23·515
54569	14	24·378	23·419
54570	10	24·530	23·384
54571	23	25·124	23·362
54572	28	25·943	23·553
54573	37	1·896	24·704
54574	24	2·101	24·010
54575	28	2·326	24·124
54576	17	3·966	24·396
54577	15	4·006	24·655
54578	30	4·540	24·408
54579	23	4·894	24·458
54580	23	4·929	24·361
54581	22	6·269	24·249
54582	13	6·535	24·806
54583	14	6·537	24·448
54584	12	7·230	24·654
54585	14	7·411	24·486
54586	31	7·614	24·874
54587	14	7·628	24·965
54588	12	8·105	24·086
54589	8	8·107	24·730
54590	11	8·769	24·800
54591	19	8·890	24·241
54592	16	10·010	24·550
54593	10	10·088	24·112
54594	10	10·326	24·976
54595	9	10·825	24·083
54596	12	10·891	24·839
54597	8	11·468	24·307
54598	10	11·817	24·836
54599	13	11·935	24·835
54600	16	12·123	24·419
54601	10	12·358	24·666
54602	9	12·670	24·416
54603	8	12·892	24·918
54604	7	13·332	24·364
54605	9	13·792	24·804
54606	8	13·945	24·546
54607	10	14·565	24·738
54608	8	15·055	24·063
54609	8	15·648	24·085
54610	7	16·179	24·709
54611	9	16·345	24·711
54612	12	16·381	24·099
54613	8	17·757	24·219
54614	9	18·452	24·173
54615	7	18·541	24·115
54616	8	18·648	24·075
54617	10	18·653	24·991
54618	20	18·732	24·300
54619	11	18·816	24·839
54620	8	19·021	24·205
54621	21	19·152	24·630

54622	10	19·416	24·107
54623	15	19·635	24·814
54624	12	20·405	24·536
54625	21	20·525	24·000
54626	10	22·234	24·447
54627	12	22·465	24·125
54628	11	22·820	24·051
54629	15	23·227	24·844
54630	16	23·507	24·450
54631	11	24·036	24·790
54632	9	24·266	24·606
54633	23	24·372	24·413
54634	13	24·403	24·340
54635	15	24·475	24·438
54636	20	24·849	24·925
54637	13	25·876	24·126
54638	18	25·991	24·871
54639	40	0·853	25·266
54640	33	2·439	25·102
54641	30	3·302	25·770
54642	28	3·540	25·190
54643	31	4·195	25·736
54644	21	4·435	25·708
54645	28	5·195	25·899
54646	32	5·727	25·639
54647	27	6·086	25·007
54648	15	6·262	25·273
54649	14	7·256	25·399
54650	15	7·597	25·662
54651	14	7·862	25·779
54652	14	8·167	25·786
54653	19	8·365	25·311
54654	20	8·551	25·026
54655	11	8·840	25·932
54656	19	8·945	25·706
54657	12	8·980	25·025
54658	20	9·306	25·154
54659	15	9·554	25·261
54660	18	9·708	25·972
54661	17	10·002	25·955
54662	9	10·748	25·125
54663	13	11·176	25·992
54664	10	11·361	25·338
54665	10	11·513	25·184
54666	9	11·527	25·618
54667	17	11·549	25·900
54668	19	11·630	26·000
54669	12	11·800	25·380
54670	9	11·903	25·431
54671	11	12·037	25·812
54672	15	12·042	25·854
54673	8	12·172	25·060
54674	9	12·635	25·145
54675	8	12·660	25·066
54676	9	12·859	25·978
54677	9	13·426	25·695
54678	12	14·084	25·135
54679	8	14·205	25·883
54680	10	14·252	25·996
54681	6	14·304	25·680
54682	6	15·315	25·875
54683	22	15·336	25·173
54684	12	15·366	25·065
54685	10	15·402	25·499
54686	12	15·685	25·355
54687	10	16·344	25·253
54688	9	16·466	25·225
54689	8	16·797	25·055
54690	15	17·470	25·734
54691	14	17·485	25·885
54692	9	17·945	25·860
54693	13	18·282	25·158
54694	13	18·314	25·465
54695	9	18·639	25·163

54696	8	18·675	25·180
54697	15	19·637	25·785
54698	24	19·867	25·875
54699	14	19·904	25·379
54700	13	20·030	25·448
54701	8	20·382	25·820
54702	14	20·545	25·946
54703	29	20·701	25·495
54704	14	21·066	25·845
54705	13	21·658	25·360
54706	24	21·688	25·191
54707	12	21·714	25·165
54708	12	21·807	25·119
54709	22	22·908	25·008
54710	14	23·126	25·580
54711	17	23·247	25·389
54712	14	23·775	25·127
54713	30	24·790	25·614
54714	23	25·215	25·831
54715	23	25·245	25·666
54716	21	25·375	25·141
54717	40	25·704	25·396
54719	18	25·974	25·654

R. A. $20^h\ 1^m$

Plate 2016; 1902 Sept. 3.

Provisional Constants.

A	B	C
−·00048	+·00106	−·1306
D	**E**	**F**
−·00082	−·00051	−·3378

Mag. $= 17·3 - 1·36\sqrt{d}$

No.	*d*	*x*	*y*
54801	14	0·025	0·960
54802	18	1·210	0·569
54803	18	1·375	0·911
54804	42	2·059	0·075
54805	35	2·360	0·117
54806	32	2·926	0·081
54807	9	3·775	0·890
54808	18	4·160	0·227
54809	12	5·556	0·708
54810	14	6·463	0·133
54811	12	8·770	0·681
54812	14	9·681	0·785
54813	8	11·340	0·039
54814*	40	11·747	0·425
54815	10	13·891	0·392
54816	10	15·033	0·510
54817	10	15·427	0·463
54818	7	15·961	0·910
54819	7	16·576	0·931
54820	10	16·687	0·731
54821	8	17·060	0·232
54822	11	17·724	0·877
54823	11	18·175	0·211
54824	13	18·230	0·986
54825	12	18·247	0·187
54826	14	18·535	0·475
54827	18	19·016	0·119
54828	14	19·382	0·665

54829	13	20·326	0·561	54903	21	3·097	2·465	54977	7	14·056	3·831	55051	20	0·192	5·531	55125	16	9·202	6·000
54830	11	20·540	0·721	54904	20	3·231	2·601	54978	13	14·514	3·430	55052	16	0·269	5·418	55126	10	9·732	6·049
54831	15	20·576	0·279	54905	19	3·500	2·363	54979	13	14·849	3·059	55053	51	0·419	5·683	55127	24	9·793	6·957
54832	10	20·938	0·423	54906	20	4·812	2·890	54980	20	15·200	3·400	55054	29	0·620	5·806	55128	16	9·876	6·667
54833	10	21·096	0·725	54907	10	5·441	2·365	54981	28	15·235	3·673	55055	34	2·063	5·255	55129	10	10·110	6·873
54834	8	21·224	0·295	54908	11	5·479	2·694	54982	12	15·281	3·100	55056	13	2·727	5·657	55130	26	10·765	6·864
54835	13	21·499	0·085	54909	13	5·875	2·536	54983	26	16·310	3·164	55057	14	2·809	5·904	55131	10	11·229	6·689
54836*	32	21·669	0·737	54910	16	6·522	2·882	54984	8	16·605	3·358	55058	14	3·114	5·522	55132	20	11·562	6·683
54837	11	21·707	0·507	54911	14	6·865	2·351	54985	20	16·972	3·943	55059	10	4·583	5·814	55133*	43	12·006	6·016
54838	13	22·435	0·476	54912	11	6·930	2·545	54986*	40	17·185	3·291	55060	12	4·696	5·824	55134	16	12·725	6·409
54839	15	23·054	0·885	54913	14	8·064	2·287	54987	19	17·389	3·864	55061	10	4·930	5·111	55135	14	12·785	6·716
54840	23	23·405	0·012	54914	12	8·210	2·620	54988	11	18·544	3·885	55062*	9	6·508	5·157	55136	10	13·402	6·626
54841	12	23·582	0·965	54915	10	8·287	2·065	54989	19	19·419	3·298	55063	14	6·516	5·689	55137	13	14·374	6·624
54842	14	24·369	0·421	54916	10	8·396	2·815	54990	14	20·366	3·156	55064	16	7·688	5·275	55138	13	14·817	6·365
54843	15	24·741	0·754	54917	14	8·616	2·358	54991*	30	20·484	3·075	55065	10	8·446	5·372	55139	12	15·445	6·596
54844	13	24·834	0·683	54918	17	9·500	2·703	54992	11	21·417	3·146	55066	22	8·594	5·846	55140	12	15·503	6·825
54845	22	24·836	0·223	54919	9	10·234	2·754	54993*	32	21·710	3·412	55067	25	9·116	5·062	55141	23	15·711	6·109
54846	16	25·014	0·057	54920	12	10·495	2·396	54994	22	22·990	3·412	55068	19	9·400	5·876	55142	22	17·467	6·328
54847	16	25·210	0·253	54921	9	10·603	2·119	54995*	28	23·439	3·777	55069	22	9·725	5·615	55143	10	17·642	6·654
54848	32	0·552	1·029	54922	20	11·452	2·398	54996	10	23·503	3·459	55070	10	10·114	5·756	55144	8	17·898	6·150
54849	43	1·354	1·991	54923*	26	12·105	2·156	54997	22	23·804	3·564	55071	10	10·198	5·836	55145	10	18·120	6·294
54850	40	1·601	1·516	54924	10	12·498	2·972	54998	32	23·847	3·195	55072	12	10·589	5·182	55146	21	18·763	6·864
54851	15	2·414	1·303	54925	12	12·690	2·026	54999	10	24·101	3·189	55073	12	10·775	5·907	55147	9	18·865	6·633
54852	32	2·641	1·849	54926	12	13·188	2·544	55000	8	24·326	3·539	55074	12	12·449	5·959	55148	7	19·119	6·906
54853	19	2·725	1·041	54927	10	13·558	2·900	55001	14	24·528	3·131	55075	15	13·196	5·584	55149	8	20·275	6·133
54854	15	3·440	1·470	54928	11	13·577	2·655	55002	9	24·548	3·310	55076	17	13·928	5·036	55150	10	20·872	6·181
54855	21	3·566	1·628	54929	7	13·710	2·982	55003	8	24·980	3·632	55077	19	14·010	5·992	55151	11	21·197	6·095
54856*	35	4·451	1·614	54930	20	14·365	2·775	55004	12	25·174	3·416	55078	9	15·344	5·971	55152	19	21·348	6·675
54857	23	4·720	1·195	54931	9	14·725	2·296	55005	30	0·015	4·985	55079	11	15·956	5·596	55153	9	21·659	6·282
54858	15	5·128	1·914	54932	19	14·979	2·221	55006	11	0·358	4·507	55080	11	15·978	5·611	55154	13	21·996	6·734
54859	22	5·132	1·645	54933*	24	15·308	2·160	55007	50	1·040	4·309	55081	16	16·041	5·037	55155	8	22·201	6·882
54860	12	6·490	1·167	54934*	41	15·395	2·745	55008	24	1·105	4·139	55082	12	16·168	5·755	55156	7	22·226	6·528
54861	9	7·382	1·202	54935	11	16·570	2·676	55009	51	1·329	4·014	55083	18	17·715	5·107	55157	10	22·357	6·828
54862	12	7·487	1·829	54936	8	17·639	2·507	55010	25	1·570	4·855	55084	11	17·769	5·118	55158	8	23·154	6·940
54863	14	8·515	1·911	54937	21	17·808	2·840	55011	14	1·653	4·185	55085	10	18·025	5·030	55159	15	23·367	6·905
54864	14	8·579	1·845	54938	13	18·034	2·538	55012	32	2·639	4·686	55086	10	18·274	5·130	55160*	29	23·639	6·000
54865	12	8·880	1·726	54939	14	19·360	2·231	55013	10	4·004	4·282	55087	8	18·679	5·189	55161	19	23·906	6·863
54866	22	9·412	1·349	54940	9	19·740	2·315	55014	27	4·036	4·256	55088	12	18·872	5·290	55162	8	24·454	6·484
54867	12	11·438	1·171	54941	7	20·011	2·457	55015	12	4·679	4·241	55089	10	19·130	5·370	55163	9	24·745	6·671
54868	21	11·440	1·104	54942	10	20·387	2·600	55016	10	7·389	4·766	55090	18	19·747	5·349	55164	10	24·815	6·817
54869	14	13·190	1·472	54943*	32	20·669	2·651	55017	8	7·488	4·666	55091	14	19·839	5·980	55165	12	25·210	6·704
54870	23	13·195	1·487	54944	10	21·013	2·595	55018	19	7·723	4·945	55092	38	20·581	5·496	55166	10	25·477	6·745
54871	10	14·208	1·419	54945	9	21·100	2·374	55019	9	8·506	4·007	55093	8	20·841	5·830	55167	14	25·586	6·249
54872	20	14·264	1·450	54946	11	23·152	2·350	55020	10	9·750	4·608	55094	12	20·984	5·762	55168	21	0·649	7·853
54873	18	14·394	1·075	54947	19	23·600	2·424	55021	14	10·266	4·845	55095	32	22·009	5·427	55169	12	0·892	7·591
54874	11	14·645	1·164	54948	11	24·290	2·441	55022	9	10·285	4·295	55096	8	22·301	5·222	55170	11	2·389	7·350
54875*	48	14·677	1·180	54949	22	25·027	2·231	55023	10	10·994	4·415	55097	12	22·519	5·396	55171	10	2·449	7·824
54876	9	14·816	1·857	54950	17	25·747	2·784	55024	14	12·658	4·759	55098	13	22·580	5·287	55172	12	2·824	7·357
54877	11	15·242	1·122	54951	21	1·624	3·439	55025	13	13·219	4·694	55099	23	22·741	5·497	55173	40	3·265	7·659
54878	22	15·915	1·163	54952	13	2·058	3·700	55026	19	13·556	4·962	55100	9	23·092	5·336	55174	22	3·402	7·675
54879	10	15·944	1·011	54953	19	2·380	3·562	55027	14	13·908	4·363	55101	22	23·200	5·742	55175	19	3·776	7·032
54880	21	16·405	1·900	54954	28	2·853	3·456	55028	9	15·405	4·979	55102	14	23·849	5·111	55176	9	4·017	7·016
54881	8	16·565	1·706	54955	24	3·853	3·472	55029	16	15·620	4·330	55103	13	24·579	5·806	55177	18	4·057	7·584
54882	12	16·785	1·391	54956	14	3·856	3·820	55030	21	16·539	4·600	55104*	33	24·779	5·778	55178	15	5·131	7·513
54883	11	17·111	1·799	54957	20	3·895	3·958	55031	32	16·556	4·515	55105	8	25·022	5·004	55179	10	5·165	7·523
54884	10	18·554	1·590	54958	13	3·958	3·706	55032	15	16·845	4·749	55106	26	25·059	5·262	55180	19	5·459	7·856
54885	8	18·634	1·239	54959	9	5·798	3·535	55033	10	17·556	4·269	55107	29	0·554	6·482	55181	19	5·592	7·530
54886	22	18·855	1·965	54960	11	6·076	3·686	55034	14	17·621	4·845	55108	23	1·038	6·318	55182	10	5·612	7·022
54887	9	19·129	1·434	54961	20	6·766	3·450	55035	17	18·676	4·992	55109	21	1·317	6·060	55183	12	5·829	7·810
54888	10	19·240	1·942	54962	7	7·235	3·150	55036	12	18·989	4·687	55110	21	1·613	6·546	55184	12	6·140	7·803
54889	12	19·271	1·590	54963	14	9·115	3·721	55037	18	19·280	4·026	55111	22	1·727	6·237	55185	15	6·967	7·783
54890	10	19·855	1·477	54964*	23	9·297	3·145	55038	11	19·578	4·571	55112	19	1·855	6·666	55186	12	8·200	7·276
54891	8	19·995	1·817	54965	13	9·705	3·030	55039	15	19·791	4·830	55113	24	2·227	6·650	55187	16	10·460	7·991
54892	10	20·762	1·055	54966	22	10·086	3·396	55040	10	20·745	4·594	55114	13	2·703	6·081	55188	29	10·835	7·030
54893*	36	22·309	1·221	54967	14	10·595	3·334	55041	12	20·847	4·367	55115	12	3·899	6·856	55189	24	12·035	7·034
54894	15	22·601	1·642	54968	9	10·780	3·868	55042	14	21·790	4·661	55116	13	4·007	6·942	55190	13	12·178	7·825
54895	15	23·743	1·392	54969*	45	10·945	3·765	55043	26	22·210	4·501	55117	12	4·145	6·780	55191	17	12·919	7·655
54896	13	24·893	1·819	54970*	33	11·439	3·288	55044	19	22·569	4·015	55118	10	4·597	6·329	55192	24	13·466	7·135
54897	9	24·930	1·676	54971	9	11·624	3·660	55045	22	23·031	4·395	55119	9	6·132	6·540	55193	17	13·908	7·848
54898	15	25·457	1·388	54972	10	11·846	3·255	55046	10	23·264	4·300	55120	11	6·325	6·416	55194	12	16·515	7·071
54899	14	0·546	2·164	54973	22	12·099	3·409	55047	11	23·485	4·809	55121	11	6·362	6·006	55195	12	18·096	7·060
54900	32	1·426	2·391	54974	12	12·353	3·618	55048	11	24·284	4·396	55122	8	7·640	6·296	55196	23	19·317	7·826
54901	31	1·576	2·588	54975*	42	12·382	3·320	55049	7	25·327	4·065	55123	12	8·039	6·850	55197	16	19·489	7·241
54902	30	1·900	2·310	54976	15	13·140	3·552	55050	15	25·915	4·792	55124	10	8·202	6·240	55198	9	19·500	7·102

55199	14	19·587	7·752	55273	13	9·823	9·109	55347	15	0·268	11·774	55421	15	20·661	12·610	55495	8	3·732	14·934
55200	14	19·658	7·399	55274	15	10·873	9·009	55348	27	0·987	11·174	55422	19	20·769	12·504	55496	11	3·946	14·015
55201	11	19·922	7·437	55275	19	11·110	9·089	55349	8	1·100	11·830	55423	13	21·244	12·592	55497	10	4·124	14·021
55202*	38	20·087	7·334	55276	13	11·114	9·511	55350	24	1·900	11·552	55424	8	21·289	12·150	55498	11	4·317	14·150
55203*	39	20·347	7·076	55277	14	12·100	9·621	55351	15	2·086	11·836	55425	21	22·329	12·528	55499	22	4·510	14·937
55204	9	20·701	7·721	55278	12	12·840	9·409	55352	10	3·032	11·364	55426*	32	22·526	12·779	55500	7	4·776	14·939
55205	22	21·668	7·156	55279	8	13·560	9·123	55353	15	3·065	11·300	55427	17	23·777	12·611	55501	12	4·961	14·472
55206	7	22·117	7·129	55280	15	13·790	9·864	55354	11	3·336	11·836	55428	13	23·915	12·553	55502	8	5·662	14·319
55207	8	22·618	7·820	55281	22	15·135	9·716	55355	14	4·414	11·388	55429	10	24·083	12·890	55503	10	5·910	14·586
55208	15	22·832	7·494	55282	10	16·223	9·340	55356	9	5·726	11·665	55430	10	24·325	12·076	55504	20	5·912	14·765
55209	9	23·951	7·291	55283	17	16·827	9·259	55357	14	6·296	11·531	55431	9	24·920	12·461	55505	30	6·264	14·406
55210	8	24·135	7·454	55284	21	16·834	9·055	55358	8	7·720	11·888	55432	9	24·966	12·442	55506	19	6·572	14·895
55211	21	24·245	7·089	55285	21	16·934	9·576	55359	14	8·168	11·560	55433	8	25·826	12·798	55507	23	6·862	14·779
55212	15	25·320	7·926	55286	27	17·608	9·030	55360	12	8·174	11·570	55434	13	0·251	13·514	55508	10	6·872	14·307
55213	8	25·573	7·984	55287	18	17·705	9·084	55361	11	8·185	11·780	55435	22	0·761	13·325	55509	10	6·873	14·284
55214	13	1·662	8·515	55288*	31	18·842	9·266	55362	9	8·242	11·645	55436	43	0·801	13·630	55510	11	6·935	14·219
55215	12	2·469	8·610	55289	23	20·196	9·161	55363	14	8·811	11·397	55437	14	1·268	13·571	55511	7	6·989	14·341
55216*	22	4·100	8·755	55290	11	20·319	9·418	55364	9	8·867	11·414	55438	15	2·036	13·230	55512	9	8·629	14·328
55217*	24	4·450	8·786	55291	8	20·896	9·659	55365	10	9·362	11·081	55439	13	2·594	13·287	55513	13	9·816	14·158
55218*	32	6·652	8·968	55292	10	21·659	9·218	55366	13	9·400	11·496	55440	9	2·787	13·949	55514	14	10·446	14·496
55219	16	8·635	8·900	55293	15	21·748	9·742	55367	9	9·464	11·900	55441	12	2·856	13·818	55515	20	10·461	14·041
55220	12	8·707	8·526	55294	12	22·652	9·947	55368	33	10·090	11·777	55442	13	4·064	13·958	55516	11	10·740	14·279
55221	8	8·970	8·024	55295	13	23·694	9·605	55369	12	10·517	11·803	55443	12	4·169	13·790	55517	14	13·155	14·055
55222	15	9·045	8·078	55296	8	24·234	9·561	55370	31	10·710	11·214	55444	8	4·405	13·607	55518	14	14·342	14·809
55223	15	9·867	8·100	55297	12	25·847	9·847	55371	10	11·559	11·477	55445	12	4·456	13·322	55519	11	15·489	14·402
55224	15	9·936	8·172	55298	13	25·955	9·863	55372	13	13·567	11·010	55446	10	4·557	13·363	55520	10	19·260	14·501
55225	15	11·484	8·274	55299	12	0·835	10·906	55373	13	14·157	11·873	55447	13	4·731	13·221	55521*	16	20·433	14·719
55226	23	11·657	8·814	55300	19	1·795	10·102	55374	17	14·724	11·506	55448	9	5·400	13·251	55522	14	20·547	14·584
55227	25	11·855	8·165	55301	9	2·579	10·934	55375	19	15·506	11·076	55449	13	5·925	13·681	55523	13	20·575	14·395
55228	15	12·631	8·376	55302	21	2·944	10·134	55376	27	15·682	11·796	55450	10	6·259	13·939	55524	11	21·130	14·491
55229	17	13·600	8·223	55303	21	3·911	10·094	55377*	43	17·221	11·714	55451	9	6·525	13·276	55525	13	21·391	14·675
55230	33	14·417	8·926	55304	17	5·045	10·042	55378	17	19·301	11·036	55452	10	7·290	13·053	55526	12	21·735	14·598
55231*	33	15·576	8·026	55305*	65	5·050	10·750	55379	13	21·152	11·661	55453	12	7·560	13·390	55527*	27	22·600	14·779
55232	15	16·066	8·302	55306	18	5·071	10·531	55380	20	21·785	11·184	55454	10	7·835	13·688	55528	9	23·499	14·656
55233	14	16·572	8·470	55307	11	5·360	10·574	55381	10	21·891	11·808	55455	12	8·057	13·989	55529	7	23·960	14·300
55234	14	18·724	8·165	55308	9	5·823	10·784	55382	8	23·446	11·827	55456	11	8·069	13·272	55530	10	24·083	14·755
55235	17	18·968	8·694	55309	8	6·064	10·429	55383	11	23·480	11·345	55457	14	8·291	13·853	55531	8	24·262	14·174
55236	9	20·145	8·316	55310	16	6·512	10·779	55384	8	23·524	11·769	55458	9	8·531	13·341	55532	11	25·757	14·550
55237	8	20·277	8·050	55311	17	6·700	10·449	55385*	22	23·985	11·544	55459	12	8·745	13·305	55533	33	0·030	15·114
55238	12	20·300	8·020	55312	14	7·976	10·010	55386	11	24·341	11·616	55460	20	8·766	13·050	55534	32	0·151	15·060
55239	9	20·931	8·486	55313	11	8·590	10·189	55387	11	24·714	11·270	55461	22	9·665	13·901	55535	14	0·531	15·433
55240	10	21·090	8·310	55314	11	8·946	10·520	55388	23	25·215	11·888	55462	13	9·876	13·538	55536	22	0·784	15·242
55241	22	21·474	8·176	55315	10	8·947	10·317	55389	17	0·141	12·782	55463	17	11·035	13·605	55537	12	1·304	15·599
55242	8	21·637	8·583	55316	13	9·245	10·041	55390	25	1·850	12·621	55464	14	12·456	13·769	55538*	31	2·081	15·365
55243	20	22·504	8·609	55317	19	9·362	10·557	55391	10	2·027	12·202	55465	14	12·489	13·355	55539	11	3·555	15·661
55244	9	22·720	8·159	55318	13	9·566	10·597	55392	19	2·155	12·999	55466	17	12·721	13·616	55540*	42	3·795	15·724
55245	13	23·030	8·006	55319	8	9·580	10·575	55393*	64	2·646	12·149	55467	23	15·030	13·767	55541	12	3·960	15·241
55246	18	23·356	8·565	55320	12	9·614	10·671	55394	12	2·649	12·880	55468	19	15·067	13·567	55542	8	4·086	15·906
55247	11	23·626	8·635	55321	13	9·635	10·772	55395	16	3·261	12·636	55469*	29	15·397	13·204	55543	7	4·612	15·926
55248	28	24·106	8·936	55322	24	9·647	10·361	55396	8	4·567	12·773	55470	13	15·719	13·705	55544*	32	5·916	15·039
55249	8	24·391	8·938	55323	18	9·754	10·939	55397	12	4·975	12·056	55471	14	15·741	13·704	55545	10	5·928	15·979
55250	10	24·498	8·876	55324*	53	10·217	10·745	55398	13	5·165	12·726	55472	13	15·899	13·265	55546	8	6·095	15·851
55251	12	24·877	8·561	55325	21	11·034	10·785	55399	12	5·190	12·756	55473	23	16·543	13·865	55547	9	6·400	15·712
55252	13	25·983	8·235	55326	22	11·151	10·899	55400	11	6·116	12·148	55474	14	16·584	13·925	55548	10	6·509	15·801
55253	21	0·329	9·164	55327	17	11·684	10·543	55401	8	7·925	12·059	55475	33	17·569	13·540	55549	14	7·759	15·386
55254	31	0·426	9·059	55328	25	12·585	10·135	55402	13	8·318	12·115	55476	14	19·440	13·406	55550	16	7·780	15·419
55255	14	1·926	9·203	55329	17	12·694	10·157	55403	11	8·552	12·892	55477	17	20·610	13·274	55551	14	8·335	15·802
55256	11	2·575	9·781	55330	15	13·926	10·847	55404	10	9·771	12·187	55478	11	22·035	13·051	55552	8	9·229	15·738
55257	20	3·367	9·034	55331	15	14·895	10·216	55405	9	10·735	12·637	55479	10	22·724	13·287	55553	9	9·354	15·769
55258*	32	3·639	9·354	55332	14	15·204	10·718	55406*	60	10·937	12·162	55480	9	22·912	13·511	55554	20	9·372	15·591
55259	21	3·776	9·924	55333	13	15·590	10·870	55407	12	11·564	12·351	55481	12	23·067	13·601	55555	9	9·402	15·140
55260	12	3·906	9·713	55334	25	15·915	10·508	55408	16	12·899	12·953	55482*	33	23·601	13·837	55556	22	9·474	15·716
55261	10	4·282	9·607	55335	8	16·962	10·351	55409	16	15·280	12·314	55483	15	23·990	13·208	55557	11	10·031	15·375
55262	9	4·310	9·962	55336	10	17·040	10·616	55410	14	15·560	12·331	55484	17	24·401	13·019	55558	21	10·531	15·179
55263	18	4·362	9·257	55337	26	17·323	10·110	55411	16	16·046	12·516	55485	22	25·057	13·094	55559	12	10·934	15·792
55264	9	5·032	9·406	55338	30	17·499	10·442	55412	14	16·350	12·593	55486	10	25·067	13·621	55560	13	11·407	15·714
55265	11	6·055	9·857	55339	8	21·251	10·850	55413	22	17·664	12·167	55487	10	25·341	13·266	55561	16	11·631	15·330
55266	11	6·533	9·825	55340	13	21·529	10·421	55414*	37	17·770	12·205	55488	10	25·650	13·605	55562	24	11·965	15·881
55267	17	6·650	9·481	55341	8	22·553	10·337	55415	24	17·850	12·248	55489	20	0·037	14·875	55563	16	14·048	15·363
55268	9	7·230	9·532	55342	9	22·580	10·850	55416	12	18·965	12·127	55490	12	0·356	14·125	55564	20	14·370	15·130
55269	12	7·360	9·041	55343	12	22·674	10·216	55417	14	19·418	12·481	55491	32	0·928	14·409	55565	22	16·007	15·271
55270	18	7·488	9·827	55344	13	22·731	10·089	55418	27	19·640	12·499	55492	20	2·145	14·910	55566	16	16·254	15·672
55271	10	7·500	9·988	55345	13	24·760	10·171	55419	14	19·660	12·280	55493	15	2·567	14·568	55567	13	17·086	15·664
55272	15	8·908	9·439	55346*	50	0·128	11·405	55420*	34	19·795	12·779	55494	23	3·134	14·261	55568	15	17·885	15·218

55569*	31	19·233	15·830	55643	16	5·573	17·291	55717	21	14·998	18·654	55791	14	15·736	19·731	55865	8	15·230	20·046
55570	13	19·876	15·272	55644	8	5·598	17·184	55718	10	16·254	18·399	55792	11	16·195	19·941	55866	15	15·589	20·715
55571	11	20·547	15·867	55645	13	5·615	17·967	55719*	43	16·317	18·785	55793	15	16·695	19·429	55867	14	15·808	20·920
55572	10	21·735	15·426	55646	11	5·631	17·124	55720	20	16·640	18·707	55794	8	16·782	19·835	55868	8	15·827	20·460
55573	15	22·029	15·800	55647	12	5·650	17·996	55721	13	16·640	18·481	55795	11	16·835	19·394	55869	10	16·882	20·110
55574	10	22·255	15·836	55648	12	6·427	17·104	55722	12	16·779	18·148	55796	8	17·090	19·704	55870	32	17·145	20·655
55575*	40	22·322	15·684	55649	7	6·579	17·172	55723	12	17·365	18·605	55797	13	17·335	19·487	55871	11	17·270	20·484
55576	14	22·330	15·126	55650	11	6·704	17·752	55724	8	17·441	18·590	55798	8	17·527	19·938	55872	7	18·400	20·903
55577	8	22·359	15·114	55651	10	6·864	17·441	55725	22	19·969	18·499	55799	14	17·733	19·702	55873	12	18·404	20·656
55578	9	22·511	15·120	55652	15	7·382	17·636	55726	10	20·118	18·107	55800	15	17·790	19·269	55874	10	19·075	20·966
55579	15	23·917	15·853	55653*	32	7·391	17·659	55727	18	20·166	18·888	55801	15	18·528	19·255	55875	17	19·166	20·692
55580	25	24·657	15·215	55654	10	7·915	17·217	55728	9	20·374	18·746	55802	10	18·631	19·205	55876	14	19·709	20·585
55581	12	0·212	16·587	55655	14	9·364	17·250	55729	12	20·695	18·355	55803	29	19·174	19·480	55877	22	20·036	20·969
55582	14	0·707	16·497	55656	9	9·770	17·176	55730	10	23·312	18·716	55804	16	19·618	19·774	55878	27	20·511	20·626
55583	15	0·805	16·497	55657	8	9·991	17·887	55731	8	23·355	18·719	55805	13	20·053	19·608	55879	9	22·210	20·368
55584	14	1·184	16·486	55658	12	10·611	17·784	55732	19	23·707	18·638	55806	18	21·314	19·537	55880	9	22·716	20·493
55585	16	1·549	16·800	55659	14	10·710	17·038	55733	8	24·510	18·059	55807	23	21·360	19·709	55881	11	23·308	20·836
55586	19	1·949	16·743	55660	8	10·751	17·916	55734	16	25·229	18·403	55808*	30	21·435	19·306	55882	12	23·561	20·461
55587	11	3·624	16·272	55661*	40	11·024	17·444	55735*	55	0·048	19·936	55809	12	22·099	19·833	55883	10	24·368	20·175
55588	9	4·396	16·451	55662	10	11·080	17·667	55736	14	0·267	19·381	55810	9	22·336	19·485	55884	10	24·380	20·857
55589	11	5·607	16·251	55663	17	11·248	17·001	55737	21	0·511	19·644	55811	7	24·306	19·940	55885	12	24·460	20·531
55590	13	5·652	16·319	55664	27	11·694	17·433	55738	16	0·949	19·692	55812	17	24·476	19·780	55886	8	25·132	20·151
55591	9	5·924	16·869	55665	14	14·086	17·856	55739	13	1·046	19·525	55813	16	25·711	19·041	55887	14	25·290	20·613
55592*	32	6·250	16·776	55666	9	14·550	17·672	55740	13	1·350	19·361	55814	16	25·971	19·486	55888	9	25·307	20·257
55593	8	6·321	16·691	55667	12	15·671	17·151	55741	11	1·641	19·626	55815	25	0·398	20·091	55889	24	0·067	21·845
55594	9	8·041	16·281	55668	14	15·964	17·331	55742	13	1·651	19·372	55816	18	0·630	20·754	55890	22	1·496	21·105
55595	16	8·415	16·726	55669	12	16·075	17·557	55743	14	1·874	19·271	55817	38	1·064	20·762	55891	13	2·517	21·908
55596	7	8·749	16·266	55670	13	16·495	17·239	55744	14	2·126	19·839	55818	20	1·538	20·690	55892	20	2·535	21·744
55597	14	8·906	16·737	55671	13	16·629	17·318	55745	21	2·243	19·401	55819	19	2·837	20·341	55893	12	3·067	21·758
55598	19	9·167	16·765	55672	12	16·864	17·163	55746	22	2·298	19·744	55820	21	2·977	20·026	55894	21	3·342	21·389
55599	12	9·543	16·734	55673	9	17·914	17·655	55747	12	2·641	19·861	55821	13	3·002	20·216	55895	14	4·765	21·203
55600	24	10·111	16·515	55674	25	18·104	17·824	55748	22	2·857	19·600	55822	20	3·210	20·958	55896	22	5·078	21·695
55601	13	10·241	16·786	55675	23	19·247	17·867	55749	14	3·035	19·909	55823	12	3·660	20·411	55897	13	5·364	21·112
55602	24	10·349	16·527	55676	10	20·061	17·445	55750	10	3·805	19·321	55824	12	3·875	20·784	55898	12	5·491	21·480
55603	21	10·925	16·485	55677	16	20·313	17·880	55751	14	4·015	19·512	55825	14	3·974	20·551	55899	13	5·875	21·876
55604	12	11·971	16·430	55678	12	20·782	17·746	55752	12	4·419	19·203	55826	22	4·011	20·471	55900	10	5·880	21·891
55605	13	11·990	16·541	55679	6	21·797	17·041	55753	19	5·610	19·338	55827	22	4·504	20·184	55901	8	7·741	21·216
55606	20	13·735	16·745	55680	9	22·577	17·257	55754	14	5·758	19·337	55828	14	4·750	20·049	55902	21	8·027	21·166
55607	14	14·162	16·142	55681	18	24·718	17·845	55755	18	5·997	19·565	55829	17	4·980	20·435	55903	23	8·197	21·922
55608	14	14·970	16·491	55682	10	25·126	17·064	55756	9	6·109	19·171	55830	10	5·190	20·784	55904	16	8·384	21·593
55609	14	14·987	16·930	55683	12	1·794	18·950	55757	22	6·254	19·964	55831	8	5·299	20·300	55905	31	8·497	21·451
55610	15	15·129	16·371	55684	9	1·965	18·402	55758	19	6·333	19·307	55832	10	5·432	20·235	55906	18	8·637	21·818
55611	31	15·285	16·082	55685	28	2·695	18·810	55759	20	7·079	19·802	55833	9	5·932	20·137	55907	14	8·750	21·500
55612	12	15·455	16·235	55686	10	2·832	18·302	55760	10	7·192	19·251	55834	8	5·945	20·469	55908	8	9·035	21·054
55613	14	15·554	16·289	55687*	40	3·849	18·625	55761	12	7·517	19·950	55835	22	5·977	20·089	55909*	37	12·433	21·752
55614	13	15·836	16·680	55688	18	4·289	18·920	55762	10	7·601	19·892	55836	13	6·152	20·974	55910*	32	12·830	21·100
55615	20	16·113	16·908	55689	11	4·315	18·568	55763	22	7·786	19·126	55837	12	6·167	20·596	55911	12	14·326	21·782
55616	28	16·592	16·735	55690	19	4·399	18·376	55764	12	8·115	19·766	55838	8	7·204	20·257	55912	10	14·598	21·321
55617	15	16·771	16·601	55691	13	5·089	18·612	55765	9	8·363	19·129	55839*	50	7·484	20·799	55913	18	15·145	21·555
55618	17	17·990	16·400	55692	13	5·762	18·126	55766	8	8·555	19·490	55840	10	7·556	20·731	55914	7	15·341	21·499
55619	14	18·647	16·291	55693	9	6·129	18·735	55767	14	8·596	19·170	55841	20	7·979	20·880	55915	11	15·515	21·254
55620	12	18·904	16·275	55694	10	6·181	18·961	55768	10	8·621	19·650	55842*	34	8·447	20·319	55916	14	16·451	21·984
55621	9	19·882	16·217	55695	8	6·846	18·215	55769	8	8·756	19·575	55843	11	8·472	20·182	55917	15	17·396	21·720
55622	13	20·926	16·041	55696	10	6·982	18·568	55770	8	8·824	19·756	55844	28	8·564	20·836	55918	7	17·568	21·961
55623	10	22·882	16·301	55697	10	7·031	18·220	55771	24	9·092	19·340	55845	18	8·709	20·341	55919	16	17·679	21·876
55624	8	23·676	16·486	55698	10	7·113	18·378	55772	10	9·254	19·678	55846	15	9·122	20·574	55920	20	17·697	21·860
55625	21	23·781	16·116	55699	8	8·245	18·976	55773	13	9·576	19·000	55847	8	9·256	20·387	55921	13	17·900	21·041
55626	10	24·989	16·071	55700	9	8·509	18·680	55774*	31	9·656	19·325	55848	8	9·618	20·141	55922	31	18·222	21·610
55627	11	25·645	16·136	55701	19	8·599	18·852	55775	8	9·715	19·284	55849	19	9·709	20·151	55923	12	18·346	21·326
55628	17	0·166	17·659	55702	8	8·779	18·886	55776*	32	9·899	19·559	55850	9	9·828	20·141	55924	17	18·812	21·501
55629	23	1·210	17·221	55703	10	8·915	18·749	55777	12	10·026	19·926	55851	12	10·444	20·526	55925	32	19·554	21·381
55630	16	1·907	17·070	55704	15	9·037	18·391	55778	8	10·354	19·036	55852	10	10·524	20·602	55926	12	19·694	21·144
55631	31	2·071	17·615	55705	8	9·442	18·835	55779	10	10·789	19·811	55853	17	10·593	20·479	55927	16	19·734	21·970
55632	14	2·339	17·436	55706*	43	9·800	18·200	55780	10	10·793	19·824	55854*	51	11·261	20·478	55928	25	19·757	21·809
55633	13	3·259	17·827	55707	17	9·814	18·234	55781	10	11·225	19·630	55855	12	11·285	20·191	55929	8	21·309	21·795
55634	24	3·451	17·815	55708	10	10·583	18·292	55782	8	11·307	19·546	55856	8	11·959	20·786	55930	9	21·894	21·666
55635	12	3·682	17·175	55709	21	10·987	18·405	55783	21	12·916	19·014	55857	13	11·964	20·116	55931	12	22·351	21·700
55636	9	3·903	17·617	55710	7	11·479	18·809	55784	8	13·657	19·656	55858	11	12·266	20·800	55932	15	22·955	21·611
55637	14	4·345	17·598	55711	15	11·589	18·934	55785	15	13·785	19·600	55859	7	13·477	20·024	55933	19	23·593	21·109
55638	16	4·466	17·093	55712*	41	11·756	18·568	55786	9	14·018	19·626	55860	9	14·066	20·046	55934	10	23·731	21·596
55639	13	4·577	17·320	55713	20	12·795	18·505	55787	10	14·066	19·220	55861*	42	14·224	20·874	55935	12	23·920	21·842
55640	16	5·037	17·232	55714	14	12·980	18·309	55788	9	14·514	19·855	55862	12	14·232	20·590	55936	8	24·264	21·573
55641*	40	5·040	17·190	55715	21	14·145	18·196	55789	9	15·181	19·421	55863	8	14·362	20·542	55937*	33	25·015	21·580
55642	15	5·229	17·318	55716	32	14·515	18·610	55790	9	15·206	19·311	55864	10	15·024	20·169	55938	16	0·805	22·524

No.	d	x	y
55939	46	0·836	22·915
55940	27	1·066	22·490
55941	22	3·546	22·053
55942	34	4·036	22·436
55943*	32	4·137	22·865
55944	15	4·291	22·716
55945	13	4·432	22·556
55946	19	4·487	22·584
55947	12	6·256	22·044
55948	14	6·732	22·463
55949	13	6·795	22·989
55950	10	7·081	22·980
55951	10	7·085	22·286
55952	10	8·109	22·980
55953	14	8·740	22·154
55954	10	9·196	22·835
55955	11	9·636	22·899
55956	10	9·694	22·400
55957*	29	9·851	22·981
55958	18	10·266	22·759
55959	22	11·134	22·940
55960	32	11·211	22·775
55961	9	12·457	22·843
55962	12	12·590	22·995
55963	7	12·603	22·476
55964	7	13·715	22·166
55965	10	14·423	22·102
55966	12	14·545	22·704
55967	8	14·716	22·326
55968	8	15·221	22·572
55969	7	15·337	22·561
55970	22	15·492	22·638
55971	10	15·851	22·581
55972	32	17·377	22·342
55973*	41	17·464	22·095
55974	12	17·488	22·756
55975	8	18·152	22·370
55976*	27	18·532	22·969
55977	16	18·600	22·000
55978	12	19·110	22·926
55979	23	19·460	22·825
55980*	51	19·971	22·135
55981*	31	20·288	22·844
55982	12	20·741	22·692
55983	22	20·905	22·959
55984*	30	21·230	22·708
55985*	33	21·816	22·405
55986*	22	21·819	22·994
55987	15	23·624	22·209
55988*	32	25·459	22·804
55989	17	1·360	23·596
55990	31	2·105	23·521
55991	31	2·929	23·696
55992	14	3·917	23·061
55993	13	4·242	23·677
55994	15	4·512	23·459
55995	14	4·548	23·909
55996	28	4·650	23·265
55997	26	4·691	23·676
55998	16	5·265	23·316
55999	29	5·606	23·928
56000	10	5·635	23·859
56001	32	5·800	23·245
56002	15	6·086	23·291
56003	11	6·834	23·151
56004	19	6·876	23·949
56005	13	6·901	23·534
56006	10	7·218	23·496
56007	10	7·311	23·079
56008	12	7·636	23·051
56009	17	8·284	23·731
56010	16	9·285	23·346
56011	14	9·912	23·317
56012	9	10·184	23·860

No.	d	x	y
56013	8	10·256	23·263
56014	7	10·613	23·079
56015*	40	11·025	23·120
56016	9	11·076	23·336
56017	8	11·176	23·564
56018	11	11·481	23·385
56019	20	11·515	23·671
56020	20	11·557	23·709
56021	12	11·906	23·497
56022*	73	12·075	23·863
56023	8	12·556	23·821
56024	10	12·772	23·955
56025*	34	12·900	23·366
56026	9	14·161	23·497
56027	13	14·805	23·275
56028	8	14·924	23·152
56029	10	15·729	23·334
56030	7	15·746	23·932
56031	8	16·111	23·339
56032	8	16·280	23·557
56033	12	16·355	23·037
56034	13	17·645	23·566
56035	8	18·395	23·133
56036	10	21·824	23·570
56037	12	22·656	23·574
56038	13	22·831	23·815
56039	15	23·016	23·719
56040	14	23·030	23·609
56041	14	23·037	23·581
56042	12	23·267	23·368
56043	11	23·577	23·979
56044	22	23·869	23·790
56045	9	24·439	23·609
56046	32	1·372	24·585
56047	18	1·476	24·610
56048	18	3·689	24·254
56049	17	4·466	24·369
56050	22	5·316	24·231
56051	12	5·351	24·460
56052	12	7·021	24·440
56053*	41	9·292	24·532
56054	18	9·339	24·008
56055	17	10·820	24·018
56056	8	10·930	24·562
56057	30	11·701	24·242
56058	13	12·147	24·301
56059	12	12·421	24·059
56060	22	12·602	24·548
56061	29	13·383	24·421
56062	13	13·695	24·121
56063	10	14·145	24·102
56064	10	14·495	24·589
56065	22	14·607	24·065
56066	14	15·367	24·109
56067	10	17·648	24·422
56068*	40	18·275	24·605
56069	8	18·434	24·066
56070	19	18·678	24·086
56071	22	18·833	24·585
56072	10	19·791	24·867
56073	10	20·580	24·137
56074	13	20·814	24·077
56075	17	21·440	24·070
56076	10	21·451	24·137
56077	12	21·695	24·299
56078	21	21·762	24·115
56079	14	22·302	24·742
56080	8	22·310	24·951
56081	10	22·580	24·893
56082	15	23·326	24·138
56083	14	24·047	24·059
56084	25	24·847	24·776
56085	17	25·970	24·536
56086	40	1·812	25·779

No.	d	x	y
56087	18	1·859	25·090
56088	27	2·240	25·986
56089	30	2·269	25·823
56090	16	2·389	25·297
56091	40	2·722	25·545
56092	18	3·649	25·026
56093	37	3·761	25·084
56094	31	4·448	25·344
56095	13	6·854	25·125
56096	17	6·972	25·472
56097	13	7·080	25·030
56098	10	7·538	25·622
56099	14	7·961	25·784
56100*	34	9·501	25·248
56101	10	9·620	25·145
56102	32	10·460	25·392
56103	22	11·431	25·881
56104	9	11·915	25·385
56105	9	12·101	25·041
56106	15	12·264	25·368
56107	20	12·627	25·556
56108	14	12·735	25·632
56109	12	13·245	25·609
56110	13	13·679	25·079
56111	15	14·011	25·411
56112	10	14·538	25·974
56113	10	14·770	25·401
56114	12	15·085	25·069
56115	24	16·027	25·905
56116	23	16·290	25·465
56117	12	16·674	25·653
56118	8	16·945	25·248
56119	14	17·531	25·385
56120	12	18·780	25·620
56121	21	18·842	25·175
56122	15	19·076	25·315
56123	19	19·245	25·004
56124	18	19·523	25·676
56125	13	19·785	25·130
56126	13	19·948	25·251
56127	12	20·139	25·840
56128	23	20·642	25·226
56129	7	20·875	25·110
56130	13	21·315	25·770
56131	22	23·450	25·996
56132	10	23·594	25·774
56133	29	23·738	25·239
56134	19	25·027	25·917
56135	21	25·595	25·849
56136	23	25·995	25·348

R. A. 20h 10m

Plate 1835 ; 1901 July 29.

Provisional Constants.

A	B	C
−·00048	+·00414	−·0351

D	E	F
−·00406	−·00056	−·2888

Mag. = 16·6 − 1·36$\sqrt{d}$

No.	d	x	y
56201	38	0·108	0·103
56202	16	1·086	0·492
56203	23	1·465	0·813
56204	34	1·547	0·280
56205	18	1·556	0·738
56206	23	1·716	0·110
56207	22	1·926	0·303
56208	22	2·786	0·793
56209	32	3·109	0·070
56210*	55	3·891	0·463
56211	17	4·555	0·172
56212	22	4·676	0·108
56213	11	5·520	0·586
56214	13	5·559	0·436
56215	15	5·646	0·553
56216	10	5·652	0·753
56217	12	6·313	0·151
56218	12	6·339	0·108
56219	11	6·701	0·181
56220	20	7·838	0·707
56221	23	7·843	0·575
56222	17	8·120	0·696
56223	15	8·395	0·445
56224	10	9·499	0·892
56225*	33	9·782	0·596
56226	10	11·149	0·458
56227	17	13·649	0·885
56228	17	14·013	0·837
56229	10	14·375	0·728
56230	10	15·064	0·053
56231	9	15·252	0·846
56232	10	15·445	0·732
56233	20	15·704	0·520
56234	22	16·987	0·038
56235	11	17·553	0·621
56236	12	17·690	0·851
56237	10	18·092	0·914
56238	12	18·165	0·292
56239	12	18·309	0·581
56240	15	18·659	0·185
56241	10	18·887	0·033
56242	11	19·047	0·424
56243	22	19·157	0·182
56244	11	19·856	0·194
56245*	22	21·248	0·583
56246*	34	21·989	0·799
56247	13	22·810	0·037
56248	17	0·309	1·049
56249	27	0·478	1·471
56250	13	1·641	1·872
56251	13	1·675	1·731
56252	13	2·195	1·434
56253	11	3·457	1·230
56254	23	3·766	1·230
56255	13	4·874	1·799
56256	12	5·236	1·899
56257	10	5·308	1·872
56258*	24	5·578	1·360
56259	16	5·845	1·011
56260	11	5·921	1·056
56261	8	6·087	1·696
56262	19	6·269	1·678
56263	12	7·006	1·063
56264	10	8·137	1·887
56265*	24	8·530	1·505
56266	12	8·816	1·074
56267	10	9·039	1·129
56268	12	9·219	1·600
56269	23	9·671	1·611
56270	10	10·460	1·387
56271	11	11·552	1·200
56272	10	12·433	1·344
56273	20	13·145	1·017
56274*	24	13·276	1·363
56275	10	13·569	1·852
56276	10	14·218	1·108
56277	12	14·786	1·188
56278	19	15·606	1·708
56279	10	15·695	1·679
56280	22	16·005	1·124

No.	d	x	y
56281	22	16·801	1·921
56282	11	17·055	1·657
56283	10	17·144	1·712
56284	10	17·166	1·689
56285	10	17·374	1·560
56286	13	17·418	1·564
56287	10	17·465	1·059
56288	11	17·640	1·822
56289	14	17·857	1·864
56290	20	17·907	1·355
56291	12	18·669	1·495
56292	11	18·928	1·174
56293	10	19·185	1·804
56294	15	19·528	1·267
56295	10	19·572	1·391
56296	10	19·721	1·187
56297	22	20·939	1·520
56298	10	21·244	1·315
56299	10	21·575	1·132
56300	13	22·709	1·322
56301*	37	24·314	1·325
56302	22	25·242	1·899
56303	15	25·476	1·036
56304	32	0·363	2·511
56305	22	1·784	2·285
56306	22	2·515	2·820
56307	22	3·025	2·976
56308	19	4·386	2·096
56309	11	4·655	2·475
56310	10	5·132	2·407
56311	10	5·619	2·209
56312	12	5·651	2·748
56313	10	6·535	2·116
56314	14	7·281	2·612
56315	15	7·400	2·862
56316	11	7·460	2·880
56317*	20	7·925	2·533
56318	10	7·965	2·744
56319	13	8·016	2·707
56320	10	8·268	2·278
56321*	17	8·448	2·734
56322	10	8·740	2·220
56323	10	8·959	2·129
56324	13	9·555	2·046
56325*	35	10·415	2·795
56326	10	10·826	2·431
56327	10	11·106	2·920
56328	12	11·659	2·041
56329	11	11·671	2·057
56330*	22	11·763	2·693
56331	10	12·197	2·154
56332*	22	12·956	2·343
56333	23	13·345	2·639
56334	11	13·735	2·211
56335	12	13·927	2·719
56336	10	14·143	2·404
56337*	33	14·508	2·247
56338	12	14·818	2·371
56339	10	14·833	2·328
56340	13	16·833	2·745
56341	16	17·290	2·775
56342	14	17·755	2·370
56343*	31	17·864	2·808
56344	10	18·073	2·917
56345	12	18·526	2·125
56346	10	18·652	2·861
56347	11	18·962	2·926
56348	16	19·139	2·388
56349	13	19·173	2·701
56350*	30	19·760	2·688
56351	10	20·369	2·144
56352	10	20·583	2·407
56353	14	21·083	2·168
56354	12	21·651	2·242

56355	11	22·455	2·016	56429	11	5·141	4·650	56503	10	17·648	5·394	56577*	22	3·917	7·148	56651	11	6·479	8·680
56356	10	22·718	2·215	56430	11	5·467	4·931	56504	13	18·162	5·585	56578	10	3·969	7·232	56652	10	6·850	8·892
56357	12	23·234	2·872	56431	13	5·900	4·883	56505	11	18·284	5·520	56579	12	4·624	7·793	56653	11	6·906	8·863
56358	14	23·612	2·093	56432	10	5·944	4·582	56506	27	19·265	5·231	56580	11	5·236	7·048	56654	10	7·482	8·980
56359	24	23·682	2·231	56433	11	7·248	4·387	56507	10	20·454	5·160	56581	22	5·343	7·009	56655	13	9·076	8·284
56360	10	23·788	2·836	56434	10	9·041	4·669	56508	9	20·937	5·706	56582	12	6·223	7·131	56656	11	9·316	8·752
56361	10	24·351	2·044	56435	11	9·192	4·351	56509	12	22·732	5·175	56583	10	6·298	7·684	56657	12	9·465	8·454
56362	10	24·549	2·993	56436	13	9·265	4·522	56510	10	23·257	5·314	56584	10	6·372	7·081	56658	12	9·545	8·495
56363	13	24·774	2·546	56437	10	9·306	4·963	56511	11	23·627	5·818	56585	10	6·444	7·444	56659	10	9·902	8·626
56364*	21	25·526	2·480	56438	19	10·362	4·289	56512	22	23·636	5·314	56586	10	6·541	7·504	56660	11	10·541	8·243
56365*	36	0·233	3·866	56439	10	10·427	4·163	56513	10	23·799	5·455	56587	10	7·246	7·494	56661	15	13·537	8·470
56366	33	0·593	3·645	56440	11	12·093	4·273	56514*	22	23·984	5·094	56588	10	7·382	7·778	56662	27	13·925	8·618
56367	39	0·627	3·276	56441	11	12·389	4·946	56515	17	24·487	5·957	56589*	37	8·835	7·806	56663	15	14·892	8·528
56368	16	0·884	3·260	56442	11	12·457	4·327	56516	10	24·570	5·741	56590	22	9·195	7·295	56664	15	14·901	8·447
56369	22	1·306	3·196	56443	11	12·876	4·152	56517	10	25·231	5·220	56591	10	9·703	7·753	56665	15	16·911	8·645
56370	13	1·330	3·374	56444	11	14·231	4·237	56518	10	25·275	5·516	56592	14	9·807	7·540	56666	31	17·181	8·894
56371	19	1·956	3·465	56445	10	14·707	4·070	56519	12	25·322	5·875	56593	25	10·051	7·685	56667	11	17·238	8·729
56372	15	3·135	3·214	56446	17	14·743	4·262	56520	10	25·383	5·081	56594	12	10·806	7·078	56668	12	18·790	8·143
56373	19	3·181	3·067	56447	10	14·799	4·353	56521	22	0·233	6·996	56595	12	11·433	7·837	56669	10	18·966	8·575
56374	22	3·205	3·315	56448	10	15·569	4·225	56522*	42	0·485	6·084	56596	13	12·036	7·697	56670	10	19·713	8·119
56375	19	3·334	3·337	56449*	41	15·838	4·420	56523	22	0·774	6·939	56597	10	12·438	7·396	56671	22	20·099	8·486
56376	18	3·386	3·848	56450	12	16·093	4·225	56524	11	1·605	6·730	56598	12	12·522	7·798	56672	12	20·428	8·149
56377	11	4·463	3·773	56451	22	17·184	4·435	56525	11	1·680	6·875	56599	10	12·852	7·800	56673*	32	21·194	8·733
56378	17	5·171	3·778	56452	10	17·570	4·587	56526	12	2·072	6·750	56600	10	13·186	7·468	56674	12	21·477	8·235
56379	12	6·163	3·276	56453	13	17·829	4·434	56527	9	2·341	6·787	56601	12	13·292	7·464	56675	10	21·539	8·256
56380	17	7·439	3·552	56454	10	17·883	4·472	56528	14	2·436	6·286	56602	22	13·400	7·692	56676	10	21·699	8·164
56381	10	7·443	3·601	56455	22	18·223	4·782	56529	12	3·476	6·610	56603	32	13·433	7·573	56677	15	21·835	8·601
56382	13	8·268	3·898	56456	13	20·048	4·832	56530	11	3·887	6·287	56604	13	13·645	7·228	56678	22	22·894	8·450
56383	10	8·310	3·459	56457	10	20·252	4·390	56531	10	4·706	6·547	56605*	36	13·885	7·789	56679	12	22·944	8·657
56384	12	8·399	3·973	56458	11	20·468	4·186	56532*	46	4·979	6·627	56606	14	13·957	7·586	56680	10	23·403	8·978
56385*	19	8·461	3·136	56459	13	20·525	4·381	56533	10	5·493	6·827	56607	10	14·807	7·848	56681	12	23·907	8·696
56386	11	8·831	3·932	56460	11	20·854	4·555	56534	16	6·405	6·902	56608	17	15·250	7·556	56682	10	23·948	8·028
56387	10	8·918	3·283	56461	10	20·894	4·313	56535	10	6·445	6·361	56609	12	16·672	7·604	56683	12	24·286	8·092
56388	12	9·687	3·990	56462	12	22·386	4·048	56536	10	7·205	6·264	56610	11	16·695	7·143	56684	10	24·306	8·732
56389	22	9·784	3·538	56463	23	22·420	4·720	56537	10	7·406	6·204	56611	10	16·818	7·453	56685	10	24·320	8·637
56390	10	9·792	3·604	56464	10	24·742	4·932	56538	10	7·413	6·797	56612	22	16·865	7·053	56686	15	24·752	8·822
56391	10	11·190	3·518	56465	40	0·035	5·837	56539	10	7·745	6·902	56613	16	17·298	7·213	56687	19	0·624	9·685
56392	15	11·740	3·736	56466	22	0·677	5·193	56540	13	8·237	6·623	56614	12	17·355	7·130	56688	32	1·018	9·008
56393	15	12·422	3·984	56467	19	1·419	5·872	56541	23	8·296	6·180	56615	13	17·519	7·165	56689	12	1·303	9·002
56394*	28	12·935	3·197	56468*	42	1·620	5·837	56542	15	11·155	6·420	56616	22	18·301	7·612	56690	10	2·782	9·880
56395	22	13·182	3·012	56469	12	1·844	5·062	56543	22	11·241	6·739	56617	10	18·596	7·032	56691	12	2·894	9·891
56396	10	13·304	3·860	56470	35	1·885	5·315	56544	13	12·073	6·667	56618	13	18·678	7·410	56692	10	2·901	9·234
56397	22	14·854	3·990	56471	10	2·892	5·734	56545	22	12·922	6·796	56619	15	18·855	7·666	56693	16	2·936	9·109
56398	20	15·174	3·083	56472	11	3·198	5·602	56546	10	13·490	6·394	56620	19	19·258	7·205	56694	11	4·183	9·242
56399	13	15·694	3·198	56473	18	3·665	5·136	56547	21	13·526	6·690	56621	12	19·535	7·973	56695	12	4·459	9·297
56400	10	15·852	3·561	56474	10	3·760	5·874	56548*	24	13·554	6·740	56622	10	19·716	7·983	56696	10	4·593	9·870
56401	13	16·140	3·767	56475	20	4·012	5·140	56549	10	15·329	6·412	56623	10	19·913	7·413	56697	10	4·636	9·208
56402	12	16·612	3·107	56476*	26	4·094	5·686	56550	14	15·368	6·029	56624	12	20·465	7·759	56698	13	4·853	9·484
56403	10	16·777	3·667	56477	13	4·620	5·441	56551	12	16·146	6·557	56625	12	20·620	7·051	56699	10	5·205	9·410
56404	10	17·060	3·297	56478	10	4·776	5·526	56552	13	16·801	6·277	56626	10	21·148	7·934	56700	12	5·335	9·766
56405	14	17·165	3·770	56479	15	5·709	5·803	56553	22	17·116	6·855	56627	16	21·414	7·615	56701	10	5·848	9·547
56406*	24	17·599	3·072	56480	22	5·945	5·630	56554	18	17·774	6·048	56628	11	21·530	7·900	56702	10	6·655	9·963
56407	10	17·948	3·853	56481	10	6·298	5·013	56555	13	17·842	6·899	56629	15	22·928	7·665	56703	12	6·748	9·553
56408	10	18·249	3·220	56482	10	6·746	5·668	56556	22	19·066	6·098	56630	12	23·151	7·118	56704	10	7·062	9·400
56409	10	18·747	3·057	56483	12	7·007	5·908	56557	13	19·797	6·692	56631	10	23·957	7·193	56705	10	7·224	9·152
56410	10	19·045	3·368	56484	19	7·118	5·718	56558	11	20·083	6·688	56632	13	24·440	7·964	56706	11	7·765	9·194
56411	10	19·964	3·473	56485	19	7·315	5·778	56559	10	21·169	6·412	56633	10	25·605	7·578	56707	18	8·546	9·090
56412	10	20·429	3·915	56486	10	7·707	5·710	56560	11	21·320	6·876	56634	22	0·258	8·654	56708	10	9·205	9·614
56413	10	22·328	3·336	56487	12	7·971	5·439	56561	11	21·326	6·295	56635	18	0·530	8·715	56709	17	9·868	9·765
56414	12	23·393	3·924	56488	13	8·155	5·701	56562	15	21·440	6·973	56636	15	1·411	8·940	56710	13	11·579	9·473
56415	10	23·823	3·064	56489	12	8·542	5·074	56563	15	21·568	6·445	56637	17	1·784	8·615	56711	21	13·017	9·421
56416	11	24·065	3·718	56490	23	9·820	5·397	56564	10	21·834	6·334	56638	10	2·465	8·018	56712	12	15·360	9·704
56417	17	24·163	3·867	56491	13	10·566	5·102	56565	12	21·966	6·146	56639	12	2·880	8·264	56713	22	17·255	9·950
56418*	22	25·616	3·507	56492	11	10·642	5·799	56566	10	22·795	6·082	56640	10	3·476	8·347	56714	15	17·337	9·757
56419	22	0·074	4·393	56493	13	10·825	5·479	56567	13	24·175	6·314	56641	12	3·716	8·316	56715	11	17·716	9·313
56420	11	0·301	4·897	56494	22	10·905	5·834	56568*	32	24·386	6·772	56642*	32	4·164	8·812	56716	21	17·939	9·006
56421	14	2·733	4·826	56495	17	11·461	5·425	56569	10	24·606	6·668	56643	12	4·215	8·675	56717	11	18·135	9·490
56422	19	2·883	4·793	56496	20	13·870	5·578	56570	16	25·163	6·765	56644	11	4·788	8·406	56718	10	18·229	9·365
56423	30	3·192	4·048	56497	22	13·919	5·787	56571	13	25·351	6·318	56645	11	4·927	8·982	56719	13	18·342	9·652
56424	10	3·305	4·348	56498	22	14·709	5·142	56572	17	25·982	6·108	56646	25	5·226	8·054	56720	10	18·824	9·828
56425	22	4·125	4·006	56499*	43	17·300	5·868	56573	15	0·825	7·366	56647	11	5·258	8·190	56721	13	18·835	9·369
56426	13	4·342	4·654	56500	22	17·405	5·416	56574	25	1·115	7·158	56648	10	5·451	8·276	56722	11	18·954	9·653
56427	12	4·794	4·884	56501	28	17·407	5·565	56575	13	1·776	7·444	56649	13	6·255	8·588	56723	11	19·720	9·857
56428	11	5·115	4·529	56502	10	17·556	5·962	56576	14	2·209	7·970	56650	10	6·269	8·478	56724	11	19·733	9·781

56725	12	20·434	9·740	56799	10	7·234	11·150	56873	12	6·883	13·174	56947	10	8·602	15·657	57021	19	8·455	17·355
56726	10	20·610	9·895	56800	10	7·776	11·297	56874	22	7·204	13·218	56948	13	9·383	15·443	57022	11	9·147	17·402
56727	11	21·899	9·655	56801	10	9·704	11·540	56875*	27	7·258	13·676	56949	10	10·199	15·309	57023	10	10·103	17·800
56728	13	23·017	9·608	56802	10	9·846	11·525	56876	10	7·807	13·488	56950	10	11·428	15·751	57024	10	12·496	17·392
56729	11	23·059	9·969	56803	15	11·110	11·440	56877	10	8·388	13·400	56951	13	12·698	15·893	57025	22	12·880	17·838
56730	11	23·939	9·121	56804	15	12·355	11·135	56878	12	8·699	13·614	56952	19	13·337	15·594	57026	17	13·657	17·658
56731	10	24·670	9·911	56805	20	12·694	11·551	56879*	14	9·126	13·233	56953*	32	13·386	15·774	57027	12	14·547	17·615
56732	13	25·368	9·404	56806	12	12·749	11·356	56880*	24	9·801	13·004	56954	17	13·481	15·385	57028	12	15·856	17·969
56733	10	25·527	9·764	56807	17	13·267	11·749	56881	12	10·262	13·816	56955	12	13·634	15·596	57029	11	17·930	17·157
56734	10	25·610	9·078	56808	15	14·532	11·578	56882	13	11·463	13·435	56956*	33	15·388	15·377	57030	18	18·294	17·900
56735	16	1·701	10·227	56809*	41	15·424	11·646	56883	12	12·506	13·403	56957	14	18·793	15·888	57031	10	19·904	17·786
56736	17	3·054	10·807	56810	16	16·047	11·240	56884	13	12·960	13·695	56958*	32	20·368	15·078	57032	13	19·933	17·521
56737	11	3·055	10·032	56811	19	16·223	11·803	56885	13	15·114	13·274	56959*	54	20·519	15·000	57033	12	20·890	17·997
56738	10	3·537	10·441	56812	17	16·301	11·580	56886	24	16·192	13·542	56960	10	21·034	15·253	57034	10	21·019	17·232
56739	12	4·342	10·132	56813	16	16·965	11·124	56887	15	16·844	13·994	56961*	22	21·205	15·589	57035	11	21·035	17·100
56740	13	4·875	10·908	56814*	42	17·421	11·887	56888	19	17·757	13·168	56962	10	22·142	15·777	57036	18	23·500	17·182
56741	12	5·047	10·475	56815	15	18·921	11·240	56889	16	19·694	13·762	56963	22	22·250	15·797	57037	12	23·747	17·123
56742*	23	7·304	10·735	56816	10	19·986	11·200	56890	11	21·220	13·182	56964	20	22·292	15·397	57038	11	23·748	17·378
56743	22	7·306	10·023	56817	11	20·434	11·318	56891	10	21·489	13·444	56965	10	22·416	15·712	57039	11	24·495	17·145
56744	16	7·561	10·738	56818	10	20·856	11·174	56892	17	22·109	13·103	56966	19	22·670	15·202	57040	10	25·059	17·109
56745	10	7·563	10·805	56819	10	22·345	11·081	56893	13	22·144	13·847	56967	29	22·781	15·070	57041	13	25·545	17·472
56746	10	8·184	10·081	56820	10	22·518	11·382	56894	10	22·462	13·604	56968	22	22·962	15·290	57042	11	25·876	17·336
56747	10	8·920	10·406	56821	10	22·551	11·564	56895	10	22·582	13·844	56969	12	23·206	15·522	57043	14	0·455	18·802
56748	17	9·097	10·961	56822	10	23·181	11·695	56896	13	23·467	13·855	56970	20	23·441	15·283	57044	16	0·497	18·805
56749	11	9·411	10·416	56823	10	23·510	11·856	56897	10	23·760	13·500	56971	16	23·608	15·734	57045	28	0·845	18·717
56750	10	9·460	10·937	56824	10	24·389	11·268	56898	10	24·964	13·703	56972	10	24·608	15·372	57046	13	1·635	18·118
56751	10	9·468	10·255	56825	12	24·755	11·953	56899	15	0·545	14·743	56973	10	24·785	15·793	57047	22	2·364	18·445
56752*	34	10·849	10·389	56826	10	24·817	11·095	56900	13	1·134	14·826	56974	11	25·367	15·591	57048	10	4·925	18·458
56753	10	12·151	10·100	56827	12	25·329	11·108	56901	11	1·296	14·243	56975	25	0·863	16·196	57049	14	5·555	18·864
56754	13	12·535	10·382	56828	14	25·707	11·665	56902	13	2·799	14·583	56976	10	2·070	16·122	57050	10	5·605	18·757
56755	10	12·561	10·226	56829	22	0·776	12·690	56903	11	2·902	14·952	56977	13	2·727	16·171	57051	11	5·686	18·563
56756	19	13·282	10·650	56830	22	0·911	12·630	56904	11	3·735	14·396	56978	10	6·067	16·803	57052	10	6·272	18·195
56757	14	14·380	10·854	56831	10	1·085	12·960	56905	20	4·918	14·524	56979	11	6·417	16·135	57053	10	6·505	18·289
56758	15	15·279	10·220	56832	12	1·310	12·145	56906	13	5·059	14·363	56980	13	6·448	16·095	57054	10	6·725	18·952
56759	11	16·867	10·586	56833	12	1·915	12·515	56907	12	5·599	14·206	56981	19	6·815	16·785	57055	10	6·752	18·721
56760	23	17·120	10·673	56834	10	1·961	12·496	56908	12	6·436	14·443	56982	13	7·560	16·343	57056	10	6·909	18·466
56761	10	17·435	10·525	56835	10	2·831	12·829	56909	10	6·605	14·757	56983	10	7·687	16·605	57057	10	7·209	18·486
56762	17	17·593	10·546	56836	11	3·818	12·424	56910	19	8·118	14·533	56984	10	8·412	16·280	57058	10	7·244	18·497
56763	16	17·597	10·811	56837	10	4·272	12·639	56911	11	8·363	14·008	56985	20	9·372	16·192	57059	10	7·304	18·782
56764	12	18·010	10·390	56838	19	4·622	12·894	56912	10	8·500	14·309	56986	11	9·463	16·839	57060	12	7·395	18·596
56765	13	18·275	10·414	56839	10	6·520	12·000	56913	15	8·635	14·923	56987	10	9·550	16·859	57061	10	7·467	18·178
56766	10	18·830	10·165	56840	13	8·160	12·616	56914	11	9·456	14·779	56988	13	10·170	16·765	57062	11	7·502	18·140
56767	11	19·158	10·901	56841*	24	9·495	12·173	56915	10	9·524	14·076	56989	12	10·616	16·835	57063	10	9·020	18·769
56768	13	20·429	10·934	56842	12	9·835	12·193	56916	10	9·690	14·000	56990	20	11·018	16·836	57064	11	10·100	18·868
56769	12	20·547	10·519	56843	12	10·241	12·633	56917	13	9·730	14·104	56991	11	11·530	16·369	57065	20	10·178	18·561
56770	19	20·601	10·325	56844	11	11·164	12·870	56918	12	10·299	14·140	56992	13	13·506	16·658	57066	10	12·060	18·618
56771	10	20·715	10·074	56845	12	11·349	12·810	56919	20	12·424	14·423	56993	13	13·792	16·020	57067	13	13·118	18·269
56772	12	21·067	10·817	56846	13	13·970	12·637	56920	13	12·688	14·918	56994	12	14·556	16·034	57068	14	13·322	18·238
56773	10	22·016	10·361	56847	14	16·312	12·973	56921*	38	14·125	14·848	56995	18	14·696	16·260	57069	13	13·365	18·078
56774	12	22·408	10·593	56848	13	17·027	12·253	56922	16	16·531	14·521	56996	13	15·180	16·506	57070	10	13·781	18·638
56775	12	22·449	10·203	56849*	17	17·099	12·234	56923	16	18·945	14·711	56997	11	16·414	16·753	57071	10	14·072	18·000
56776	20	23·951	10·008	56850	13	18·630	12·994	56924	13	19·635	14·544	56998	14	16·566	16·468	57072	13	16·030	18·499
56777	10	25·063	10·729	56851	10	21·925	12·232	56925	10	20·649	14·369	56999	13	18·876	16·788	57073	16	17·554	18·173
56778	10	25·233	10·536	56852	10	23·340	12·025	56926	11	20·830	14·355	57000	13	19·325	16·545	57074	13	17·799	18·768
56779	13	25·341	10·545	56853	13	23·374	12·086	56927	12	22·174	14·867	57001	10	20·093	16·288	57075	11	18·242	18·443
56780	11	25·415	10·889	56854	11	24·926	12·297	56928	13	22·193	14·849	57002	10	21·225	16·129	57076	10	18·328	18·570
56781	11	0·427	11·915	56855	14	25·053	12·712	56929	11	22·933	14·409	57003	11	21·297	16·626	57077	12	18·675	18·503
56782	19	0·449	11·428	56856	19	0·087	13·700	56930	10	22·944	14·426	57004	11	22·063	16·536	57078	15	18·914	18·569
56783	10	0·505	11·854	56857*	48	0·627	13·922	56931	10	23·068	14·437	57005	12	22·411	16·219	57079	12	19·029	18·251
56784*	37	0·957	11·617	56858	22	1·002	13·282	56932	10	24·614	14·956	57006	10	22·782	16·312	57080	10	19·182	18·300
56785	10	1·315	11·682	56859	23	1·405	13·085	56933	13	24·827	14·365	57007	22	24·025	16·459	57081	11	20·644	18·248
56786	10	1·679	11·331	56860	22	2·064	13·144	56934	10	24·925	14·479	57008	10	25·297	16·694	57082	22	20·831	18·779
56787	10	1·750	11·947	56861	11	2·088	13·668	56935	10	25·187	14·346	57009	10	25·670	16·051	57083	15	21·915	18·912
56788	22	2·195	11·936	56862	10	2·353	13·310	56936	22	0·995	15·926	57010	10	25·726	16·484	57084	11	23·239	18·636
56789	11	2·808	11·708	56863	11	2·670	13·643	56937	32	1·717	15·275	57011	10	25·865	16·104	57085	10	23·555	18·168
56790*	43	3·076	11·914	56864	10	3·025	13·834	56938	10	2·794	15·873	57012	22	1·838	17·903	57086	10	25·354	18·012
56791	10	3·220	11·846	56865	9	3·701	13·776	56939	11	3·395	15·916	57013	10	2·229	17·107	57087	10	25·631	18·121
56792*	22	3·845	11·013	56866	13	3·743	13·714	56940	10	4·317	15·622	57014	10	2·880	17·936	57088	20	1·644	19·841
56793	13	5·276	11·988	56867	12	4·152	13·736	56941	21	5·091	15·862	57015	20	3·863	17·483	57089	19	2·859	19·074
56794	22	5·581	11·309	56868	11	4·733	13·855	56942	20	5·191	15·043	57016	10	3·965	17·574	57090	13	3·129	19·513
56795	10	6·320	11·588	56869	10	4·841	13·162	56943	16	5·725	15·643	57017	10	4·708	17·005	57091	10	3·159	19·226
56796	10	6·395	11·500	56870	11	5·815	13·204	56944*	31	6·042	15·495	57018	10	5·343	17·923	57092	11	4·430	19·589
56797	12	6·866	11·619	56871	13	5·985	13·636	56945	10	6·617	15·908	57019	20	5·577	17·722	57093	10	4·609	19·630
56798	19	7·133	11·695	56872	11	6·241	13·406	56946	11	8·048	15·344	57020	12	7·480	17·236	57094	10	4·645	19·770

57095	10	5·640	19·398	57169	11	13·739	20·560	57243	13	24·659	21·171	57317	11	12·047	23·423	57391	13	5·943	25·223
57096	12	5·776	19·723	57170*	52	13·825	20·973	57244	10	25·210	21·028	57318	10	12·243	23·361	57392	10	6·835	25·711
57097	10	6·196	19·190	57171	13	14·495	20·277	57245	30	0·848	22·290	57319	10	12·449	23·880	57393	11	9·365	25·551
57098	10	6·476	19·843	57172	10	14·812	20·748	57246*	32	2·697	22·843	57320	14	12·677	23·128	57394	10	9·685	25·044
57099	10	6·529	19·946	57173	10	17·709	20·663	57247	10	3·438	22·918	57321	10	12·911	23·767	57395	12	10·070	25·037
57100	10	6·986	19·742	57174	12	17·831	20·509	57248	10	3·780	22·890	57322	10	13·406	23·706	57396	10	10·660	25·947
57101	13	7·105	19·112	57175*	34	18·222	20·162	57249	17	4·492	22·802	57323	18	13·738	23·513	57397	10	10·842	25·349
57102	10	7·801	19·344	57176*	31	18·562	20·052	57250	10	5·682	22·530	57324	10	14·513	23·235	57398	11	11·074	25·187
57103	14	7·805	19·423	57177	14	18·945	20·968	57251	13	6·065	22·788	57325	14	14·684	23·267	57399	13	11·355	25·987
57104	10	8·318	19·740	57178	10	19·183	20·702	57252	10	6·325	22·653	57326	10	15·649	23·648	57400	30	11·585	25·899
57105	10	8·370	19·651	57179	10	19·234	20·618	57253	10	7·531	22·497	57327	22	16·716	23·949	57401	10	12·964	25·150
57106*	28	8·622	19·338	57180	14	19·430	20·317	57254	11	7·543	22·884	57328	22	18·637	23·226	57402	10	13·554	25·302
57107	20	8·810	19·712	57181	10	19·909	20·202	57255	10	7·922	22·797	57329	13	19·652	23·903	57403*	22	13·825	25·034
57108	10	9·135	19·938	57182	10	19·931	20·071	57256	10	8·349	22·873	57330	10	19·808	23·758	57404	10	14·331	25·277
57109	11	9·762	19·004	57183	10	20·558	20·701	57257	10	8·442	22·160	57331	10	19·959	23·218	57405	10	14·855	25·924
57110	10	9·805	19·218	57184	10	20·660	20·838	57258*	42	8·857	22·050	57332	13	20·034	23·814	57406	10	15·205	25·443
57111	10	9·923	19·918	57185	11	21·376	20·018	57259	10	8·982	22·897	57333	19	20·604	23·190	57407	10	15·969	25·744
57112	11	10·528	19·622	57186	12	21·500	20·429	57260	22	9·218	22·510	57334	10	22·519	23·803	57408	10	17·428	25·532
57113	10	10·918	19·911	57187	10	22·234	20·428	57261	10	9·352	22·254	57335	13	22·892	23·207	57409*	31	17·821	25·074
57114	10	11·223	19·249	57188	12	22·876	20·141	57262	10	9·476	22·036	57336	10	22·986	23·202	57410*	31	18·241	25·129
57115	10	11·283	19·932	57189	10	23·179	20·632	57263	10	9·929	22·914	57337	10	23·178	23·300	57411	10	18·348	25·182
57116	10	11·312	19·268	57190	10	23·611	20·611	57264	13	10·208	22·534	57338	12	23·606	23·496	57412	11	18·587	25·793
57117	11	13·084	19·065	57191	8	23·628	20·138	57265	14	10·297	22·283	57339	10	24·285	23·922	57413	10	18·942	25·907
57118	10	13·877	19·648	57192	12	25·198	20·993	57266	22	10·672	22·768	57340	13	24·527	23·853	57414	12	19·412	25·423
57119	13	14·031	19·355	57193	22	25·362	20·031	57267	15	10·739	22·774	57341	12	24·795	23·592	57415	12	19·705	25·098
57120	19	14·314	19·265	57194	19	25·589	20·579	57268	9	11·063	22·404	57342	16	25·670	23·507	57416*	43	20·304	25·493
57121	15	15·091	19·811	57195	13	25·868	20·297	57269	10	11·543	22·217	57343	23	0·595	24·224	57417	11	20·375	25·209
57122	15	17·201	19·612	57196	23	0·163	21·708	57270*	19	12·315	22·003	57344	17	0·845	24·060	57418	10	20·565	25·853
57123	10	17·755	19·623	57197	27	0·791	21·193	57271	10	13·095	22·542	57345	31	2·129	24·828	57419	11	21·112	25·701
57124	22	17·870	19·474	57198	13	0·936	21·675	57272*	33	14·610	22·507	57346	22	3·245	24·558	57420	10	21·290	25·714
57125	10	18·207	19·500	57199	15	1·134	21·916	57273	10	14·830	22·963	57347	12	4·025	24·954	57421	11	22·385	25·814
57126	13	18·444	19·413	57200	10	1·471	21·637	57274	10	14·955	22·119	57348	10	4·844	24·473	57422	13	24·341	25·855
57127	10	18·596	19·058	57201*	40	2·223	21·627	57275	10	15·859	22·549	57349	10	5·150	24·727	57423	10	24·354	25·098
57128	10	19·504	19·826	57202	13	3·438	21·336	57276	10	16·398	22·664	57350	10	5·316	24·723	57424	12	24·738	25·306
57129	10	20·196	19·353	57203	11	3·727	21·536	57277	19	16·779	22·986	57351*	46	5·799	24·571	57425	18	25·353	25·894
57130	10	20·274	19·369	57204*	32	3·947	21·206	57278	10	17·606	22·774	57352	10	7·552	24·142	57426	23	25·958	25·868
57131	18	20·666	19·376	57205	12	4·220	21·211	57279	20	17·888	22·402	57353	11	7·624	24·183				
57132	12	20·683	19·367	57206	9	4·922	21·361	57280	9	19·438	22·118	57354	10	7·760	24·707				
57133	10	23·099	19·349	57207	10	5·414	21·348	57281*	32	20·215	22·170	57355	10	7·892	24·517				
57134	10	23·239	19·599	57208	10	5·651	21·634	57282	10	20·392	22·543	57356	10	8·430	24·279				
57135	11	25·387	19·175	57209	10	6·361	21·400	57283	13	20·569	22·502	57357	15	9·012	24·457				
57136	20	25·861	19·837	57210	10	8·038	21·889	57284	10	20·636	22·025	57358	10	9·078	24·212				
57137	20	0·498	20·923	57211	22	8·895	21·983	57285	13	22·343	22·635	57359*	30	10·077	24·820				
57138	19	0·743	20·543	57212	10	9·434	21·287	57286*	33	22·722	22·539	57360	11	10·792	24·644				
57139	10	1·117	20·373	57213	10	9·570	21·939	57287	12	23·329	22·041	57361	13	13·053	24·884				
57140	14	1·546	20·238	57214	10	9·571	21·500	57288	10	23·696	22·962	57362	9	13·087	24·667				
57141	12	1·573	20·923	57215	13	10·352	21·841	57289	10	24·234	22·896	57363	10	13·271	24·729				
57142	16	1·646	20·594	57216	13	10·645	21·933	57290*	43	24·346	22·247	57364	10	15·107	24·741				
57143	10	1·866	20·413	57217	10	10·849	21·462	57291	11	24·397	22·438	57365	11	15·930	24·104				
57144	12	2·307	20·198	57218	10	13·798	21·363	57292	10	24·634	22·938	57366	10	16·455	24·592				
57145	13	2·477	20·653	57219	10	14·246	21·544	57293	13	25·315	22·828	57367	10	16·622	24·683				
57146	14	2·486	20·299	57220	11	15·179	21·512	57294	10	25·704	22·252	57368	19	17·796	24·362				
57147	10	3·203	20·919	57221	10	15·788	21·913	57295	22	0·274	23·814	57369	13	18·345	24·938				
57148	10	3·325	20·462	57222	10	16·110	21·443	57296	22	0·286	23·702	57370	10	18·514	24·523				
57149	12	5·330	20·508	57223	11	16·121	21·290	57297	14	0·513	23·455	57371	9	18·650	24·841				
57150	9	5·390	20·404	57224	10	16·303	21·202	57298	27	1·125	23·864	57372	10	19·336	24·933				
57151	22	5·949	20·834	57225	11	17·269	21·793	57299	11	1·694	23·671	57373	10	19·630	24·651				
57152	12	6·227	20·323	57226	9	17·294	21·743	57300	14	3·762	23·761	57374	22	20·378	24·385				
57153	10	6·917	20·446	57227*	22	18·040	21·163	57301	13	5·735	23·385	57375	18	20·390	24·461				
57154	12	7·081	20·931	57228	10	18·228	21·206	57302	12	6·375	23·843	57376	10	20·493	24·670				
57155	10	7·224	20·793	57229	15	18·754	21·343	57303	10	7·056	23·258	57377	10	20·528	24·908				
57156	20	7·524	20·425	57230	10	20·432	21·605	57304	22	8·281	23·262	57378	10	21·538	24·224				
57157	12	7·544	20·834	57231	10	20·668	21·618	57305	10	8·699	23·383	57379	11	22·837	24·178				
57158	10	7·976	20·692	57232	20	20·795	21·025	57306	12	9·204	23·232	57380	12	24·638	24·653				
57159	10	8·013	20·429	57233	16	21·959	21·751	57307	10	9·789	23·223	57381	12	25·020	24·116				
57160	10	8·830	20·759	57234	11	21·959	21·758	57308	10	9·809	23·588	57382	28	25·151	24·009				
57161	10	9·852	20·751	57235	10	22·121	21·711	57309	13	9·857	23·600	57383	42	1·030	25·315				
57162	10	10·260	20·207	57236	10	22·410	21·522	57310	10	9·857	23·624	57384	17	2·335	25·966				
57163	17	11·242	20·226	57237	19	22·733	21·765	57311	10	9·987	23·671	57385	13	2·904	25·884				
57164	10	11·305	20·949	57238	20	23·415	21·304	57312	22	10·155	23·630	57386	22	3·292	25·372				
57165	10	11·527	20·605	57239	10	23·421	21·362	57313	10	11·197	23·594	57387	15	3·318	25·889				
57166	9	11·916	20·676	57240	10	23·584	21·376	57314	10	11·279	23·935	57388	26	4·775	25·010				
57167	10	12·363	20·483	57241	10	23·745	21·908	57315	13	11·442	23·350	57389	13	4·817	25·372				
57168	10	13·270	20·739	57242	15	24·193	21·614	57316	12	11·858	23·422	57390	11	5·419	25·076				

R. A. 20h 19m

Plate 1834 ; 1901 July 29.

Provisional Constants.

A	B	C
−·00062	−·00093	+·0678
D	**E**	**F**
+·00105	−·00064	−·5019

Mag. = 16·5 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
57501	19	1·870	0·305
57502	19	2·206	0·910
57503	23	3·435	0·806
57504	14	5·441	0·114
57505	15	5·646	0·465
57506	15	5·722	0·267
57507	30	6·640	0·443
57508	14	7·105	0·127
57509	12	7·349	0·510
57510	15	8·440	0·103
57511	12	8·797	0·570
57512	12	8·901	0·190
57513	12	9·390	0·779
57514	20	10·051	0·049
57515	11	10·145	0·900

57516	24	10·893	0·745	57590	10	19·250	1·045	57664	19	19·056	2·985	57738*	31	25·404	3·084	57812	19	2·072	5·394
57517	15	11·366	0·593	57591	10	19·699	1·915	57665	10	19·825	2·287	57739*	22	25·430	3·502	57813	13	2·123	5·750
57518	14	11·768	0·905	57592	21	19·750	1·010	57666	16	20·638	2·988	57740	17	25·913	3·588	57814	13	2·631	5·421
57519	12	13·852	0·632	57593*	12	19·862	1·272	57667	10	20·742	2·914	57741*	36	0·771	4·989	57815	12	2·775	5·200
57520*	24	13·903	0·670	57594	13	20·568	1·770	57668*	22	20·922	2·640	57742	21	1·528	4·816	57816	18	2·785	5·975
57521	13	14·257	0·275	57595*	18	20·734	1·465	57669	12	21·096	2·593	57743	14	1·949	4·301	57817	16	3·573	5·837
57522	12	14·817	0·150	57596	18	21·356	1·808	57670	9	22·877	2·400	57744	16	2·173	4·958	57818	14	4·038	5·212
57523	12	15·429	0·170	57597*	21	21·679	1·481	57671	13	23·041	2·370	57745	13	3·241	4·344	57819	20	4·128	5·407
57524	10	15·761	0·515	57598	13	22·015	1·174	57672	10	23·186	2·586	57746*	27	3·355	4·252	57820	12	4·329	5·380
57525	9	16·114	0·039	57599	10	22·516	1·014	57673	20	24·464	2·605	57747	21	3·467	4·530	57821	10	5·084	5·835
57526	11	16·915	0·288	57600	18	22·615	1·639	57674	14	25·570	2·820	57748	12	3·551	4·891	57822	12	5·357	5·941
57527	9	17·571	0·336	57601*	45	23·165	1·047	57675	20	25·728	2·352	57749	16	3·931	4·648	57823	12	5·868	5·161
57528	9	17·597	0·813	57602	12	23·439	1·534	57676	29	0·165	3·830	57750	13	4·470	4·689	57824	12	5·946	5·771
57529	12	17·706	0·885	57603	12	24·251	1·371	57677	22	0·838	3·615	57751	12	6·024	4·332	57825	10	6·363	5·893
57530	9	17·829	0·325	57604	12	24·471	1·732	57678	31	0·935	3·760	57752	23	6·550	4·032	57826	12	6·883	5·487
57531	21	18·008	0·800	57605	12	24·837	1·115	57679*	30	2·380	3·380	57753	15	7·433	4·505	57827	14	6·981	5·922
57532	13	18·075	0·779	57606	14	25·002	1·576	57680	13	3·366	3·973	57754	11	7·616	4·578	57828	12	7·420	5·973
57533	10	18·404	0·873	57607*	27	25·068	1·057	57681	12	3·367	3·750	57755	12	7·771	4·679	57829	11	7·495	5·050
57534	13	19·059	0·710	57608	17	25·456	1·070	57682	12	3·865	3·910	57756	13	8·045	4·142	57830	16	7·680	5·258
57535	10	19·090	0·229	57609	53	0·429	2·130	57683*	24	4·273	3·706	57757	15	8·431	4·869	57831	20	8·055	5·991
57536	11	19·735	0·919	57610	23	0·547	2·736	57684	13	5·936	3·351	57758	17	8·875	4·125	57832	19	8·215	5·893
57537	19	19·989	0·396	57611	23	0·583	2·966	57685	10	6·227	3·372	57759	9	9·854	4·627	57833	13	8·474	5·038
57538	15	20·031	0·593	57612	21	1·310	2·880	57686	13	7·766	3·609	57760	16	10·061	4·341	57834	25	9·050	5·733
57539	20	22·629	0·427	57613	22	1·525	2·430	57687	11	7·846	3·682	57761	11	10·409	4·696	57835	12	9·125	5·589
57540	12	22·924	0·141	57614*	34	2·280	2·355	57688	12	8·340	3·075	57762	11	10·487	4·645	57836	12	9·519	5·575
57541	9	23·171	0·581	57615	21	3·925	2·389	57689	10	8·424	3·465	57763	10	10·648	4·728	57837	10	9·623	5·852
57542	12	23·440	0·622	57616*	20	4·654	2·034	57690	11	8·497	3·870	57764	13	10·917	4·824	57838	13	10·445	5·892
57543	16	23·647	0·927	57617*	30	5·361	2·023	57691	12	8·509	3·633	57765	17	11·401	4·420	57839	15	10·583	5·076
57544	12	23·741	0·837	57618	19	5·507	2·056	57692*	37	8·598	3·903	57766	12	12·589	4·557	57840	11	13·109	5·118
57545	10	23·980	0·825	57619	12	5·869	2·693	57693	12	8·816	3·525	57767	9	12·716	4·848	57841	20	13·125	5·889
57546	17	24·180	0·982	57620	19	5·958	2·535	57694	12	8·818	3·036	57768	13	13·040	4·619	57842	12	13·364	5·706
57547	13	24·338	0·092	57621	12	6·100	2·073	57695*	55	9·025	3·767	57769	11	13·935	4·963	57843	14	13·529	5·983
57548	13	25·396	0·945	57622	12	6·425	2·251	57696	10	9·185	3·520	57770	12	13·950	4·212	57844	10	14·722	5·552
57549	40	0·356	1·995	57623	13	6·606	2·229	57697	19	9·671	3·785	57771	14	14·063	4·975	57845*	33	14·764	5·847
57550*	67	1·048	1·216	57624	10	6·660	2·222	57698	10	10·259	3·279	57772	10	14·123	4·325	57846	14	14·901	5·526
57551	43	1·984	1·776	57625	20	7·556	2·880	57699	12	10·303	3·549	57773*	40	14·285	4·285	57847	23	15·236	5·214
57552	15	4·210	1·077	57626	10	8·025	2·684	57700	12	10·575	3·680	57774	13	14·294	4·570	57848	14	15·963	5·995
57553	21	4·484	1·006	57627	12	8·190	2·634	57701	12	10·920	3·380	57775	12	15·030	4·245	57849	19	17·384	5·809
57554	17	4·720	1·192	57628	11	8·235	2·982	57702	11	10·970	3·590	57776	11	15·272	4·040	57850	12	17·740	5·802
57555	11	5·459	1·855	57629	12	8·260	2·494	57703	12	11·331	3·534	57777	20	15·533	4·365	57851	10	18·198	5·611
57556	12	5·675	1·722	57630	16	8·574	2·863	57704	14	11·676	3·415	57778	19	15·772	4·205	57852	14	18·405	5·180
57557	13	5·919	1·665	57631	10	8·896	2·726	57705	9	11·799	3·465	57779	12	15·805	4·695	57853	15	18·613	5·260
57558	15	6·717	1·000	57632*	23	8·920	2·323	57706	32	12·236	3·073	57780	21	15·920	4·831	57854	9	18·688	5·109
57559	13	6·815	1·385	57633	10	9·041	2·020	57707	14	13·135	3·794	57781	12	16·284	4·551	57855	15	18·816	5·115
57560	10	7·250	1·932	57634	10	9·209	2·432	57708	23	13·160	3·814	57782	14	16·499	4·342	57856	12	19·412	5·709
57561	13	7·274	1·458	57635	12	9·405	2·592	57709	10	13·247	3·780	57783	19	16·738	4·408	57857	12	19·617	5·688
57562	13	7·556	1·944	57636	9	9·440	2·511	57710	18	14·081	3·216	57784	10	16·777	4·606	57858	11	19·677	5·723
57563	12	8·003	1·782	57637	11	9·731	2·903	57711	12	15·684	3·819	57785	10	17·074	4·967	57859	21	19·815	5·173
57564	18	8·347	1·289	57638	10	10·231	2·980	57712	12	15·857	3·042	57786	12	17·957	4·496	57860	10	19·955	5·156
57565	10	8·381	1·380	57639	12	10·493	2·359	57713	22	16·365	3·966	57787	14	18·879	4·051	57861	12	20·176	5·393
57566	11	8·737	1·096	57640	13	10·972	2·327	57714	12	16·729	3·173	57788	10	19·120	4·301	57862	28	20·825	5·769
57567*	30	8·834	1·051	57641	12	11·026	2·875	57715	20	16·810	3·544	57789	18	19·301	4·040	57863	20	21·388	5·075
57568	15	9·256	1·891	57642	16	11·045	2·888	57716	11	17·256	3·794	57790	12	20·288	4·735	57864	18	21·392	5·932
57569	17	9·360	1·191	57643	12	11·136	2·703	57717	12	17·310	3·282	57791	20	20·346	4·171	57865	9	22·578	5·238
57570	13	9·950	1·250	57644	13	11·549	2·260	57718	22	17·557	3·372	57792	16	21·049	4·348	57866	12	22·654	5·146
57571	13	10·237	1·435	57645	11	12·230	2·110	57719*	22	17·669	3·242	57793	11	21·604	4·445	57867	12	22·757	5·706
57572	13	10·515	1·163	57646	12	12·544	2·583	57720*	41	18·189	3·439	57794	11	21·779	4·325	57868	10	22·946	5·966
57573	22	10·744	1·405	57647	17	13·153	2·279	57721	11	18·492	3·745	57795	12	22·065	4·915	57869	14	23·228	5·635
57574	12	11·899	1·998	57648	12	13·584	2·694	57722	11	18·615	3·851	57796	8	22·257	4·971	57870	12	23·479	5·885
57575	14	12·813	1·636	57649	17	14·531	2·378	57723	10	20·280	3·175	57797	12	22·330	4·516	57871	10	23·524	5·586
57576	12	13·467	1·710	57650	12	14·554	2·871	57724	11	20·501	3·087	57798	10	22·436	4·135	57872	10	23·740	5·829
57577	20	13·477	1·237	57651	12	15·065	2·952	57725	16	20·725	3·885	57799	9	23·165	4·355	57873	22	23·930	5·854
57578	10	13·659	1·512	57652	12	16·320	2·550	57726	12	21·140	3·834	57800	10	24·085	4·300	57874	14	24·657	5·716
57579	10	13·894	1·868	57653	12	16·617	2·154	57727	9	21·274	3·539	57801	11	24·500	4·439	57875	9	25·246	5·028
57580	12	14·482	1·281	57654	10	16·687	2·904	57728	20	21·389	3·865	57802	12	24·776	4·618	57876	12	25·257	5·091
57581	15	14·848	1·841	57655	21	16·745	2·184	57729	12	21·849	3·027	57803	10	24·934	4·407	57877	11	25·391	5·325
57582	10	15·391	1·740	57656	8	16·761	2·798	57730	12	21·903	3·456	57804	12	24·989	4·746	57878	17	0·985	6·208
57583	12	15·656	1·157	57657	15	16·854	2·535	57731*	12	22·448	3·821	57805	11	25·586	4·611	57879*	45	1·200	6·665
57584	8	15·671	1·109	57658	10	17·248	2·545	57732	12	22·640	3·655	57806	9	25·859	4·584	57880	17	1·420	6·557
57585	9	16·522	1·773	57659	9	17·587	2·294	57733	10	23·396	3·166	57807	16	0·049	5·220	57881	22	1·980	6·643
57586	11	17·154	1·195	57660	14	17·625	2·717	57734	19	23·539	3·038	57808	15	0·427	5·720	57882	18	2·157	6·195
57587	10	17·909	1·257	57661	12	17·996	2·855	57735	8	23·660	3·500	57809	34	0·428	5·215	57883	17	2·839	6·865
57588	15	18·479	1·344	57662	9	18·595	2·885	57736	12	23·707	3·706	57810	17	0·593	5·355	57884	20	3·440	6·868
57589	14	18·691	1·117	57663	9	18·969	2·963	57737	15	25·203	3·853	57811	23	1·288	5·845	57885	17	3·770	6·500

57886	12	3·801	6·352	57960	13	12·931	7·436	58034	15	5·202	9·599	58108	12	21·419	10·653	58182	17	14·290	12·224
57887	20	4·256	6·361	57961*	40	14·038	7·217	58035	9	5·507	9·097	58109	12	21·489	10·799	58183	22	14·804	12·605
57888	12	5·331	6·838	57962	32	14·042	7·148	58036	13	5·916	9·291	58110	12	21·500	10·341	58184	18	14·844	12·533
57889	18	5·338	6·646	57963	12	14·463	7·038	58037	13	6·240	9·905	58111	11	21·660	10·789	58185	20	15·730	12·815
57890	14	5·516	6·465	57964	14	14·983	7·246	58038	9	6·402	9·548	58112	12	22·466	10·929	58186	27	16·758	12·654
57891	11	6·195	6·034	57965	20	15·070	7·441	58039	11	7·100	9·339	58113	12	22·656	10·534	58187	15	17·271	12·015
57892	13	6·341	6·560	57966	21	16·310	7·967	58040	8	7·129	9·688	58114	12	22·760	10·800	58188	19	17·955	12·440
57893	23	7·184	6·187	57967	16	16·838	7·708	58041	10	7·667	9·030	58115	10	23·004	10·366	58189	12	19·984	12·975
57894*	33	7·225	6·038	57968	19	18·089	7·622	58042	20	8·031	9·490	58116	10	23·261	10·812	58190	11	20·802	12·639
57895	18	7·834	6·325	57969	15	18·134	7·824	58043	12	8·300	9·042	58117	11	23·351	10·327	58191	12	21·396	12·021
57896	12	8·624	6·124	57970	11	18·360	7·728	58044	12	8·481	9·803	58118	12	24·216	10·943	58192	13	21·599	12·135
57897	22	9·211	6·381	57971	13	19·041	7·381	58045	18	9·157	9·462	58119	11	24·489	10·009	58193*	23	21·827	12·299
57898	23	9·265	6·745	57972	9	20·692	7·713	58046	11	9·352	9·017	58120	9	24·535	10·771	58194	20	21·910	12·018
57899	19	9·837	6·949	57973	10	21·047	7·958	58047	20	9·577	9·940	58121	12	24·589	10·093	58195	12	22·640	12·480
57900	12	10·365	6·952	57974	10	21·350	7·115	58048	16	9·579	9·649	58122	12	25·298	10·011	58196	9	22·967	12·430
57901	10	10·554	6·305	57975	8	22·613	7·915	58049	17	10·349	9·272	58123	13	0·068	11·603	58197	19	22·992	12·880
57902	15	11·921	6·253	57976	9	23·588	7·907	58050	13	10·679	9·098	58124	15	0·234	11·930	58198	10	23·275	12·557
57903	10	12·250	6·549	57977	16	23·758	7·815	58051	22	10·925	9·625	58125	23	0·268	11·993	58199*	31	23·577	12·460
57904	19	12·376	6·955	57978	8	23·796	7·750	58052	14	11·349	9·571	58126	16	0·402	11·759	58200	12	23·821	12·309
57905	20	13·232	6·560	57979	11	25·135	7·401	58053	15	11·775	9·652	58127	17	1·272	11·159	58201	10	24·262	12·892
57906	14	13·874	6·241	57980	11	25·724	7·209	58054	16	12·165	9·844	58128	13	1·649	11·835	58202	9	24·435	12·069
57907	22	14·246	6·072	57981	20	0·251	8·884	58055	18	12·957	9·682	58129	20	2·595	11·535	58203	12	24·968	12·246
57908	12	14·363	6·616	57982	21	0·753	8·591	58056	19	13·062	9·806	58130	14	2·945	11·490	58204	10	25·191	12·065
57909	16	14·387	6·386	57983	14	1·155	8·625	58057	22	13·459	9·848	58131	14	4·165	11·691	58205	9	25·635	12·515
57910	11	15·093	6·598	57984	10	1·164	8·526	58058	15	14·720	9·139	58132	14	5·700	11·869	58206	22	0·388	13·760
57911	20	15·175	6·826	57985	20	1·599	8·705	58059	15	15·914	9·312	58133	12	7·267	11·385	58207	11	0·676	13·396
57912	13	15·841	6·077	57986	14	2·462	8·949	58060	21	16·062	9·730	58134	14	8·486	11·857	58208	12	1·884	13·584
57913	12	17·484	6·639	57987	14	3·059	8·030	58061*	31	16·405	9·225	58135	14	8·583	11·415	58209	17	2·619	13·446
57914	20	17·584	6·646	57988	24	3·426	8·627	58062	18	16·971	9·918	58136	13	9·035	11·538	58210	10	3·209	13·925
57915	23	18·749	6·265	57989	20	3·684	8·904	58063	25	18·004	9·126	58137	21	9·075	11·139	58211	10	3·541	13·366
57916	18	19·071	6·646	57990	12	3·994	8·365	58064	18	18·427	9·331	58138	20	9·695	11·347	58212	12	3·980	13·193
57917	9	19·747	6·697	57991	10	4·181	8·712	58065	13	20·102	9·261	58139	20	10·096	11·864	58213	10	4·311	13·335
57918	13	19·915	6·041	57992	9	4·256	8·783	58066	11	21·678	9·611	58140*	40	10·856	11·709	58214	11	4·486	13·793
57919	12	20·315	6·530	57993	12	4·471	8·890	58067	12	22·733	9·582	58141	18	10·926	11·950	58215	12	4·925	13·745
57920	13	20·925	6·426	57994	12	5·193	8·090	58068	12	24·174	9·020	58142	20	11·860	11·359	58216	14	7·266	13·935
57921	10	21·344	6·587	57995	12	6·061	8·758	58069	13	24·372	9·737	58143*	55	12·019	11·841	58217	12	7·300	13·322
57922	11	21·692	6·079	57996	12	6·064	8·351	58070	12	24·394	9·910	58144	20	13·005	11·758	58218	10	7·360	13·749
57923	12	21·740	6·465	57997	11	6·250	8·534	58071	10	25·261	9·966	58145	12	13·242	11·104	58219	10	7·519	13·876
57924	9	22·716	6·116	57998	9	6·381	8·640	58072	16	25·523	9·850	58146	17	13·828	11·749	58220	12	7·730	13·805
57925	12	23·214	6·225	57999	10	7·945	8·378	58073	12	1·700	10·979	58147	20	14·543	11·881	58221	12	8·415	13·716
57926	10	23·310	6·990	58000	18	8·325	8·954	58074	14	1·937	10·607	58148	19	14·833	11·785	58222	15	8·865	13·058
57927	10	23·933	6·175	58001	13	8·790	8·656	58075	13	2·106	10·414	58149	20	15·055	11·625	58223	13	9·185	13·765
57928	10	24·079	6·551	58002	20	8·918	8·742	58076	13	2·210	10·985	58150	22	15·908	11·367	58224	14	9·285	13·421
57929	11	24·926	6·525	58003	13	10·194	8·480	58077	16	2·213	10·420	58151	20	16·502	11·331	58225	15	9·377	13·785
57930	10	25·030	6·590	58004	17	11·101	8·583	58078	18	2·285	10·885	58152	20	18·345	11·024	58226	11	9·949	13·736
57931	19	25·065	6·738	58005	22	13·005	8·254	58079	12	2·293	10·764	58153	15	19·655	11·379	58227	12	9·981	13·400
57932	12	25·340	6·113	58006	13	13·047	8·645	58080	10	3·534	10·409	58154	20	20·480	11·550	58228	20	10·278	13·219
57933	7	25·371	6·844	58007	17	13·227	8·082	58081	12	3·569	10·887	58155	12	20·863	11·163	58229	20	11·449	13·009
57934	24	25·485	6·107	58008	21	13·672	8·908	58082	10	3·587	10·982	58156	11	21·641	11·100	58230	20	12·319	13·883
57935	12	25·606	6·242	58009	13	13·817	8·926	58083	9	4·874	10·643	58157	12	21·937	11·736	58231	19	13·053	13·399
57936	17	25·811	6·154	58010	12	14·356	8·258	58084	9	5·318	10·738	58158	12	22·845	11·283	58232	14	13·468	13·931
57937	11	25·934	6·501	58011	16	14·955	8·228	58085	11	5·342	10·767	58159	10	23·569	11·809	58233	20	13·830	13·301
57938	13	0·775	7·090	58012	17	16·594	8·189	58086	14	5·885	10·343	58160	20	23·595	11·508	58234	17	14·831	13·289
57939	21	0·781	7·926	58013*	24	17·193	8·161	58087	16	6·074	10·830	58161	20	23·800	11·325	58235	15	15·624	13·106
57940	18	1·121	7·984	58014	21	17·482	8·191	58088	11	6·532	10·177	58162	20	24·356	11·579	58236	19	17·870	13·429
57941	17	1·271	7·853	58015	9	17·879	8·132	58089	13	6·565	10·078	58163	11	24·495	11·706	58237	11	18·055	13·559
57942	13	2·434	7·452	58016	17	18·840	8·633	58090	22	7·046	10·525	58164	13	0·144	12·696	58238*	29	18·062	13·514
57943	10	3·125	7·996	58017	12	20·209	8·102	58091	19	8·835	10·823	58165	16	1·825	12·178	58239	18	19·467	13·924
57944	14	3·279	7·591	58018	12	21·408	8·993	58092	12	9·458	10·791	58166	21	1·958	12·590	58240	27	20·725	13·933
57945	22	3·419	7·323	58019	10	21·911	8·300	58093	14	10·250	10·081	58167	10	4·555	12·925	58241	16	20·951	13·712
57946	15	4·535	7·065	58020	9	22·041	8·850	58094	14	11·324	10·753	58168	10	4·661	12·294	58242*	26	21·158	13·184
57947	19	5·746	7·307	58021	12	23·925	8·086	58095	19	11·339	10·751	58169	12	5·045	12·740	58243	10	22·286	13·295
57948	14	6·621	7·120	58022	13	24·965	8·075	58096	22	11·569	10·980	58170	10	5·500	12·321	58244	10	22·715	13·947
57949	12	7·047	7·157	58023	9	24·988	8·425	58097	15	13·874	10·597	58171	10	6·137	12·554	58245	10	23·645	13·374
57950	21	7·628	7·178	58024	21	25·411	8·858	58098	18	16·164	10·198	58172	13	6·241	12·691	58246	15	23·655	13·277
57951	12	7·641	7·242	58025	11	25·782	8·000	58099	16	16·698	10·188	58173	12	6·270	12·863	58247	10	24·115	13·205
57952	19	7·826	7·432	58026	10	25·974	8·643	58100	24	16·830	10·801	58174	12	6·397	12·200	58248	10	24·719	13·733
57953	8	8·011	7·931	58027	20	0·790	9·020	58101*	28	18·317	10·609	58175	14	7·554	12·336	58249	9	24·835	13·355
57954	10	8·322	7·315	58028	35	0·814	9·905	58102	12	19·218	10·547	58176	14	8·226	12·579	58250	12	24·877	13·607
57955*	33	8·842	7·065	58029	18	1·531	9·797	58103	13	19·605	10·181	58177	21	9·444	12·295	58251	11	25·532	13·233
57956	17	8·995	7·588	58030	18	2·225	9·280	58104	27	19·695	10·850	58178	13	9·810	12·006	58252	14	1·550	14·842
57957	13	9·773	7·273	58031	10	2·388	9·637	58105	12	19·985	10·978	58179	13	10·575	12·490	58253	21	1·757	14·249
57958	14	10·445	7·580	58032	15	2·903	9·300	58106	13	20·955	10·426	58180	18	12·040	12·609	58254	13	1·856	14·361
57959	21	11·335	7·687	58033	12	3·631	9·221	58107	12	21·082	10·480	58181	20	14·015	12·300	58255	10	1·931	14·216

58256	12	2·115	14·225	58330	13	12·302	15·419	58404	20	2·518	17·345	58478	10	25·675	18·241	58552	12	11·074	20·245
58257	12	3·357	14·761	58331*	50	12·435	15·238	58405	12	2·619	17·994	58479	9	25·915	18·920	58553	15	11·411	20·179
58258	10	3·404	14·073	58332	16	12·608	15·659	58406	12	2·846	17·205	58480	15	0·102	19·256	58554	9	11·670	20·360
58259	10	4·271	14·857	58333	17	13·780	15·269	58407	19	3·283	17·815	58481	18	0·250	19·505	58555	9	12·715	20·969
58260	11	5·121	14·154	58334	19	14·105	15·127	58408	9	5·550	17·991	58482	30	2·375	19·907	58556	14	14·305	20·935
58261	9	5·603	14·035	58335	15	14·209	15·141	58409	10	7·645	17·721	58483	19	2·388	19·049	58557	10	14·426	20·543
58262	8	5·697	14·723	58336	19	15·934	15·235	58410	13	8·896	17·628	58484	25	2·872	19·705	58558	11	15·351	20·535
58263	12	6·295	14·410	58337	12	16·591	15·208	58411	11	9·253	17·006	58485	12	3·322	19·628	58559	12	15·853	20·445
58264	11	6·993	14·631	58338	20	16·746	15·865	58412	11	12·812	17·864	58486	12	3·434	19·525	58560	17	16·401	20·873
58265	10	7·671	14·117	58339	16	17·504	15·223	58413	16	13·026	17·694	58487	13	3·950	19·427	58561	12	16·419	20·049
58266	10	7·905	14·711	58340	14	18·283	15·879	58414	19	15·760	17·535	58488	11	5·325	19·535	58562	23	16·855	20·472
58267	9	8·160	14·101	58341	15	18·560	15·216	58415	17	16·670	17·114	58489	10	5·462	19·362	58563	32	16·963	20·814
58268	18	8·196	14·699	58342	23	18·568	15·549	58416	13	18·622	17·629	58490	18	5·994	19·448	58564	10	17·677	20·101
58269	14	8·230	14·979	58343	18	18·635	15·015	58417	20	18·875	17·620	58491	11	6·706	19·291	58565	12	18·396	20·331
58270	17	9·555	14·403	58344	12	18·971	15·860	58418	14	19·376	17·629	58492	11	6·740	19·536	58566*	26	18·421	20·328
58271	12	10·432	14·853	58345	16	20·473	15·342	58419	16	21·674	17·001	58493	10	7·736	19·110	58567	12	18·901	20·502
58272	17	10·839	14·047	58346	11	20·568	15·807	58420	12	21·728	17·630	58494	10	8·020	19·556	58568	12	19·297	20·249
58273	18	11·180	14·254	58347	9	21·578	15·501	58421	12	22·527	17·500	58495	18	9·074	19·534	58569	7	20·291	20·429
58274	17	12·066	14·431	58348	14	21·987	15·665	58422	10	22·677	17·151	58496	13	9·200	19·465	58570	11	20·390	20·802
58275*	32	13·855	14·779	58349	19	22·530	15·245	58423	9	22·778	17·954	58497	21	9·496	19·995	58571	10	20·937	20·907
58276	16	16·190	14·027	58350	13	22·995	15·240	58424	20	22·790	17·623	58498	9	9·604	19·601	58572	10	22·605	20·181
58277	17	17·423	14·500	58351	12	23·282	15·633	58425	12	23·070	17·879	58499	10	9·765	19·597	58573	9	22·704	20·890
58278	19	17·583	14·884	58352	8	23·392	15·441	58426	9	23·361	17·040	58500	11	10·100	19·374	58574	11	22·829	20·350
58279	21	18·130	14·530	58353	12	24·612	15·406	58427	12	23·517	17·578	58501	10	10·526	19·650	58575	20	23·614	20·116
58280	15	18·715	14·957	58354	10	24·850	15·061	58428	7	23·537	17·020	58502	9	11·365	19·024	58576	10	23·860	20·715
58281	17	19·273	14·445	58355	11	25·330	15·175	58429	20	24·171	17·016	58503	12	11·425	19·961	58577	12	23·884	20·409
58282	15	19·615	14·046	58356	13	0·157	16·915	58430	13	24·190	17·990	58504	12	11·852	19·344	58578	20	24·131	20·384
58283	11	19·749	14·390	58357	14	0·350	16·294	58431	8	24·409	17·558	58505	13	12·552	19·585	58579	9	24·207	20·600
58284	13	20·770	14·125	58358	27	0·986	16·356	58432*	30	24·434	17·552	58506	14	13·380	19·481	58580	10	25·199	20·021
58285	13	20·855	14·294	58359	11	2·030	16·991	58433	9	25·675	17·091	58507	10	13·474	19·150	58581	10	25·647	20·905
58286	12	20·930	14·106	58360	10	2·261	16·569	58434	13	25·742	17·435	58508	13	14·704	19·954	58582	12	25·787	20·818
58287	19	21·348	14·548	58361	14	2·686	16·352	58435	16	0·231	18·545	58509	10	15·786	19·583	58583	24	0·375	21·949
58288*	24	21·395	14·371	58362	10	3·815	16·885	58436	12	0·546	18·070	58510	15	16·086	19·430	58584	36	0·448	21·209
58289	20	21·625	14·272	58363	12	3·970	16·027	58437	10	3·357	18·425	58511	17	16·713	19·859	58585	17	0·456	21·266
58290	17	21·929	14·799	58364	19	4·644	16·418	58438	18	3·608	18·875	58512	14	16·943	19·636	58586	16	0·618	21·281
58291	15	22·442	14·434	58365*	21	5·000	16·950	58439	9	4·091	18·151	58513	13	17·239	19·215	58587	12	0·787	21·808
58292	21	22·650	14·685	58366	7	5·101	16·631	58440	14	4·275	18·944	58514	12	17·902	19·894	58588	32	1·231	21·505
58293	12	23·151	14·445	58367	14	6·090	16·559	58441	11	5·144	18·853	58515	12	18·054	19·649	58589	22	1·690	21·056
58294	11	23·437	14·877	58368	10	6·812	16·902	58442	10	6·083	18·679	58516	13	18·230	19·984	58590	15	3·318	21·075
58295	15	24·010	14·666	58369	10	8·095	16·145	58443	10	6·345	18·688	58517	14	18·314	19·397	58591*	46	4·203	21·324
58296	19	24·198	14·090	58370	14	10·626	16·972	58444	11	6·687	18·869	58518	17	19·226	19·275	58592	14	4·483	21·657
58297	10	24·911	14·099	58371	13	10·665	16·245	58445	17	7·010	18·670	58519	8	20·170	19·688	58593	22	4·785	21·517
58298	9	25·035	14·531	58372	15	10·980	16·205	58446	13	7·230	18·398	58520	15	20·173	19·315	58594	22	4·915	21·375
58299	9	25·140	14·824	58373	16	11·140	16·796	58447	10	8·077	18·461	58521	12	20·594	19·650	58595	22	5·173	21·449
58300	8	25·428	14·176	58374	14	11·330	16·473	58448	12	8·166	18·800	58522	12	20·836	19·366	58596	14	5·278	21·429
58301	20	25·733	14·214	58375*	50	14·770	16·760	58449	11	8·868	18·677	58523	10	21·368	19·651	58597	12	5·430	21·735
58302	9	25·850	14·449	58376	10	14·976	16·627	58450	16	9·236	18·792	58524*	27	21·428	19·364	58598	9	5·570	21·352
58303	23	0·150	15·429	58377	15	15·514	16·060	58451	12	9·331	18·608	58525	12	21·462	19·945	58599	13	5·808	21·222
58304	32	0·381	15·186	58378	15	15·943	16·741	58452	18	9·584	18·561	58526	22	23·075	19·942	58600	15	5·863	21·398
58305	28	0·558	15·635	58379	14	16·410	16·110	58453	13	9·764	18·204	58527	20	24·182	19·476	58601	21	6·444	21·795
58306	12	1·551	15·259	58380	17	17·047	16·677	58454	11	10·347	18·392	58528	10	24·510	19·410	58602	11	7·165	21·851
58307	12	1·733	15·677	58381	17	17·432	16·915	58455	10	11·179	18·638	58529	10	25·444	19·355	58603*	28	7·945	21·344
58308	12	2·318	15·465	58382*	34	17·760	16·457	58456	17	11·416	18·416	58530	18	0·634	20·514	58604	8	8·175	21·723
58309	13	2·625	15·921	58383	16	18·223	16·130	58457	17	14·580	18·022	58531	22	2·228	20·866	58605	8	8·228	21·745
58310	10	2·822	15·972	58384	15	18·432	16·764	58458	12	15·429	18·459	58532	14	2·240	20·906	58606	8	8·694	21·110
58311	13	2·997	15·018	58385	18	18·443	16·760	58459	12	15·501	18·108	58533	25	2·610	20·449	58607	8	8·972	21·814
58312	19	3·521	15·008	58386	12	20·435	16·980	58460	17	16·271	18·219	58534	14	2·885	20·165	58608	13	9·623	21·028
58313	11	3·677	15·450	58387	12	20·463	16·971	58461	21	17·301	18·536	58535	15	3·023	20·102	58609	12	12·054	21·250
58314	10	4·185	15·741	58388	19	20·531	16·016	58462	12	19·049	18·201	58536	14	3·515	20·904	58610	14	12·800	21·533
58315	17	4·945	15·275	58389	20	20·685	16·401	58463	12	19·291	18·884	58537	12	3·961	20·529	58611	10	13·394	21·852
58316	10	5·006	15·485	58390	10	20·832	16·216	58464	12	19·744	18·413	58538	10	4·126	20·037	58612	12	13·904	21·066
58317	14	5·805	15·120	58391	9	21·004	16·302	58465	12	19·766	18·325	58539	19	4·195	20·899	58613*	24	13·990	21·430
58318	12	6·304	15·215	58392	10	21·764	16·789	58466	10	21·712	18·386	58540	18	4·198	20·505	58614	12	14·701	21·509
58319	10	6·453	15·718	58393	10	23·429	16·811	58467	19	21·810	18·877	58541	10	4·564	20·579	58615	12	15·647	21·062
58320	10	7·310	15·422	58394	15	23·844	16·424	58468	9	22·152	18·809	58542*	20	5·411	20·886	58616*	32	15·737	21·727
58321	13	7·432	15·667	58395	8	24·560	16·150	58469	30	23·133	18·425	58543	10	5·445	20·877	58617	14	16·000	21·248
58322	10	7·809	15·130	58396	12	25·087	16·310	58470	13	23·630	18·186	58544	16	5·503	20·562	58618	8	16·312	21·299
58323	12	7·910	15·434	58397	8	25·471	16·110	58471	8	23·926	18·557	58545	8	5·847	20·275	58619	8	16·630	21·607
58324	14	8·472	15·078	58398	12	25·892	16·974	58472	10	24·141	18·864	58546	10	6·397	20·063	58620	10	16·657	21·943
58325	12	8·507	15·408	58399	32	0·470	17·087	58473	9	24·157	18·109	58547*	45	6·736	20·997	58621	13	17·567	21·058
58326*	29	8·669	15·431	58400	16	0·719	17·025	58474	10	24·432	18·560	58548	20	7·490	20·625	58622	8	17·589	21·772
58327	22	8·760	15·051	58401	24	0·721	17·277	58475*	24	24·684	18·895	58549	19	8·230	20·710	58623	23	17·910	21·029
58328	21	10·181	15·410	58402	16	1·464	17·033	58476*	20	25·145	18·943	58550	12	8·266	20·610	58624	12	18·176	21·678
58329	22	11·930	15·036	58403	14	2·335	17·892	58477	10	25·165	18·599	58551	8	8·740	20·217	58625	13	18·479	21·295

No.	d	x	y
58626	15	18·499	21·854
58627	12	19·014	21·166
58628	11	19·015	21·800
58629	10	20·280	21·708
58630	13	20·446	21·730
58631	9	20·509	21·834
58632	12	22·037	21·144
58633	10	22·065	21·193
58634	9	22·615	21·369
58635	9	22·927	21·192
58636	20	23·780	21·025
58637	14	23·852	21·678
58638	10	24·333	21·618
58639	13	25·176	21·801
58640	11	25·661	21·629
58641*	70	1·391	22·136
58642	24	1·446	22·327
58643	19	2·368	22·704
58644	14	2·753	22·121
58645	15	3·812	22·101
58646	19	3·900	22·183
58647	21	4·818	22·624
58648	10	5·736	22·170
58649	10	6·566	22·161
58650	18	6·660	22·225
58651	9	6·931	22·485
58652	18	7·195	22·412
58653	12	7·585	22·803
58654	10	7·757	22·849
58655	9	8·184	22·040
58656	12	9·393	22·708
58657	17	9·464	22·211
58658	11	9·582	22·317
58659	9	10·118	22·234
58660	9	10·476	22·954
58661	9	11·100	22·240
58662	12	11·252	22·661
58663	11	11·269	22·786
58664	13	11·972	22·554
58665	9	12·383	22·446
58666	8	12·755	22·935
58667	10	12·793	22·999
58668	11	13·463	22·320
58669	8	14·067	22·875
58670	10	14·351	22·100
58671*	70	15·249	22·909
58672	9	15·751	22·842
58673	9	16·234	22·413
58674	8	16·420	22·798
58675*	24	16·569	22·002
58676	11	17·999	22·635
58677	8	18·174	22·243
58678	13	18·478	22·015
58679	12	18·553	22·485
58680	19	18·734	22·970
58681	10	18·865	22·183
58682	12	19·729	22·490
58683	11	19·874	22·710
58684	9	20·051	22·700
58685	12	20·740	22·080
58686	9	21·106	22·211
58687	10	21·549	22·309
58688	14	21·621	22·918
58689	9	23·484	22·870
58690	9	23·649	22·086
58691	11	23·684	22·246
58692	13	24·059	22·717
58693	17	24·767	22·255
58694	12	25·301	22·737
58695	29	25·706	22·435
58696	11	25·866	22·378
58697	27	0·048	23·115
58698	30	0·671	23·395
58699	30	1·596	23·741

No.	d	x	y
58700	27	1·860	23·475
58701	18	2·100	23·998
58702	41	2·224	23·887
58703	21	2·735	23·376
58704	20	3·190	23·913
58705	13	3·332	23·795
58706	17	3·546	23·032
58707	19	4·367	23·125
58708	13	5·205	23·043
58709	19	5·595	23·725
58710	9	5·767	23·636
58711	10	7·721	23·197
58712	16	8·482	23·530
58713	13	9·650	23·897
58714	19	9·672	23·910
58715	21	12·231	23·296
58716	10	12·353	23·035
58717	13	12·835	23·050
58718	10	12·883	23·415
58719	10	14·261	23·351
58720	11	14·781	23·105
58721	12	14·866	23·867
58722	16	15·166	23·888
58723	12	15·682	23·320
58724	18	15·770	23·284
58725	10	16·946	23·163
58726*	20	17·010	23·126
58727	24	17·016	23·110
58728	10	17·872	23·957
58729	10	18·059	23·055
58730	10	18·870	23·562
58731	12	18·931	23·301
58732	11	20·063	23·985
58733	9	20·895	23·884
58734	10	21·398	23·381
58735	10	21·900	23·580
58736	13	22·049	23·680
58737	9	22·071	23·499
58738	14	22·627	23·799
58739	20	22·674	23·417
58740	9	22·810	23·982
58741	9	23·402	23·593
58742	11	23·432	23·614
58743	11	24·365	23·605
58744	19	24·610	23·636
58745	18	25·925	23·225
58746	20	3·851	24·619
58747	14	4·634	24·521
58748	20	6·329	24·651
58749	11	6·480	24·722
58750	11	7·029	24·861
58751*	33	9·408	24·442
58752	8	9·684	24·835
58753	13	10·523	24·892
58754*	32	11·291	24·385
58755*	34	11·535	24·476
58756	26	11·685	24·401
58757	11	12·230	24·925
58758	12	12·314	24·584
58759	11	12·941	24·364
58760	22	13·653	24·260
58761	8	14·176	24·013
58762	10	14·721	24·131
58763	10	15·407	24·371
58764	10	15·518	24·042
58765	15	15·850	24·435
58766	10	16·685	24·325
58767	21	16·729	24·565
58768	12	17·295	24·987
58769	14	17·687	24·540
58770	13	17·954	24·170
58771	10	18·312	24·325
58772	18	18·331	24·451
58773	10	20·609	24·885

No.	d	x	y
58774	10	20·780	24·946
58775	15	22·868	24·835
58776	11	23·356	24·446
58777	12	23·865	24·912
58778	12	25·656	24·042
58779*	23	25·858	24·599
58780	24	1·442	25·745
58781	30	1·934	25·956
58782	40	2·051	25·906
58783	26	2·450	25·766
58784	28	3·060	25·731
58785	17	4·094	25·942
58786	19	4·225	25·946
58787	24	5·626	25·184
58788	12	6·216	25·448
58789	30	6·630	25·866
58790	13	7·281	25·813
58791	10	7·513	25·790
58792	14	8·371	25·936
58793	12	10·209	25·712
58794	11	10·259	25·270
58795	18	10·341	25·050
58796*	30	11·016	25·267
58797	17	11·221	25·998
58798	11	11·616	25·909
58799	12	12·284	25·131
58800	11	12·506	25·912
58801	11	13·055	25·618
58802	12	13·209	25·492
58803	14	13·350	25·971
58804	13	13·360	25·141
58805*	14	14·186	25·470
58806	8	15·412	25·664
58807	10	15·545	25·862
58808	25	15·893	25·882
58809	10	16·141	25·215
58810	11	16·312	25·122
58811	11	16·870	25·252
58812	11	17·174	25·480
58813	11	18·271	25·546
58814	14	18·491	25·716
58815	12	19·091	25·965
58816	12	19·348	25·637
58817	10	19·904	25·100
58818	12	21·024	25·142
58819	13	21·344	25·235
58820	15	21·833	25·761
58821	13	24·408	25·022
58822*	39	24·814	25·435
58823	17	25·384	25·957
58824	20	25·999	25·208

R. A. 20h 28m

Plate 1836 ; 1901 July 29.

Provisional Constants.

A	B	C
−·00055	+·00707	−·0800
D	**E**	**F**
−·00701	−·00055	−·4495

Mag. $= 17·2 - 1·36\sqrt{d}$

No.	d	x	y
58901	37	0·139	0·974
58902	16	0·458	0·860
58903	22	0·806	0·124
58904	20	1·886	0·941
58905	16	3·586	0·000
58906	18	3·956	0·405
58907	23	3·990	0·516
58908	12	4·699	0·287
58909	29	5·875	0·944
58910*	78	5·937	0·942
58911	13	6·221	0·216
58912	10	7·033	0·829
58913	10	7·435	0·158
58914	10	7·515	0·996
58915	10	7·594	0·758
58916	12	7·636	0·713
58917	11	9·534	0·436
58918*	22	9·603	0·570
58919	12	9·624	0·605
58920	12	10·047	0·833
58921	12	11·087	0·237
58922	10	11·101	0·158
58923	12	11·348	0·813
58924	10	11·582	0·414
58925	15	12·759	0·807
58926	10	13·997	0·726
58927*	32	14·775	0·640
58928	11	17·051	0·873
58929	12	17·381	0·079
58930	10	18·051	0·995
58931	10	18·263	0·774
58932	10	18·551	0·217
58933	10	18·844	0·022
58934	10	18·954	0·796
58935	11	19·621	0·323
58936	13	19·853	0·823
58937	13	20·291	0·223
58938	10	20·295	0·931
58939	10	20·317	0·222
58940	22	20·801	0·081
58941*	26	20·999	0·931
58942	10	21·094	0·532
58943	12	21·599	0·916
58944	11	21·640	0·172
58945	10	22·246	0·726
58946	12	22·716	0·782
58947	13	23·399	0·038
58948	10	24·530	0·700
58949	22	0·673	1·015
58950	22	0·755	1·401
58951	22	0·986	1·756
58952	20	1·336	1·129
58953	24	1·512	1·587
58954*	49	1·564	1·066
58955	20	1·950	1·063
58956	22	2·741	1·869
58957	13	2·775	1·449
58958	22	3·018	1·407
58959	22	3·059	1·396
58960	12	4·972	1·785
58961*	40	5·400	1·477
58962	12	5·713	1·655
58963	12	5·871	1·538
58964	10	6·055	1·693
58965	10	6·195	1·626
58966	13	6·233	1·114
58967	12	6·743	1·986
58968	10	7·455	1·870
58969*	22	9·367	1·096
58970	12	9·416	1·381
58971	12	9·667	1·983
58972	10	9·678	1·579
58973	10	10·055	1·348
58974	18	10·221	1·227
58975	10	11·688	1·064
58976	12	11·824	1·076

No.	d	x	y
58977	12	12·324	1·272
58978	11	12·334	1·281
58979	13	13·783	1·264
58980	10	14·655	1·476
58981	10	14·816	1·017
58982	15	14·895	1·371
58983	10	15·418	1·001
58984	11	15·455	1·100
58985	21	16·126	1·451
58986	10	16·992	1·156
58987	14	17·604	1·535
58988	11	18·134	1·018
58989	22	18·485	1·809
58990	16	18·669	1·401
58991	10	19·282	1·544
58992	22	19·750	1·310
58993	13	20·550	1·210
58994	12	22·261	1·944
58995	12	22·471	1·499
58996*	31	22·878	1·364
58997	11	23·697	1·223
58998	12	24·844	1·010
58999	11	25·191	1·616
59000*	26	25·531	1·590
59001	33	1·005	2·629
59002	23	2·115	2·812
59003	34	2·262	2·344
59004	12	2·775	2·718
59005	18	3·210	2·160
59006	18	3·406	2·438
59007	14	3·697	2·833
59008	11	5·335	2·498
59009	13	6·080	2·542
59010	11	6·213	2·287
59011	10	6·487	2·672
59012	13	6·777	2·483
59013	11	6·826	2·128
59014*	19	7·612	2·687
59015	18	7·625	2·249
59016	12	8·635	2·098
59017	20	9·115	2·346
59018	14	10·719	2·347
59019	18	11·319	2·368
59020	11	11·481	2·638
59021	11	11·583	2·954
59022	10	11·818	2·249
59023	11	11·829	2·939
59024	10	12·225	2·565
59025	12	12·374	2·683
59026	13	12·583	2·953
59027	13	14·449	2·675
59028	10	15·371	2·140
59029	10	15·631	2·899
59030	10	17·878	2·248
59031	22	20·614	2·528
59032	13	20·735	2·099
59033*	31	20·778	2·263
59034	11	21·853	2·048
59035	10	23·597	2·371
59036	11	24·091	2·652
59037	12	24·750	2·616
59038	12	25·079	2·278
59039	10	25·385	2·223
59040	12	25·451	2·775
59041	22	25·996	2·742
59042	35	0·088	3·086
59043	16	0·218	3·543
59044	23	0·275	3·752
59045	24	1·779	3·856
59046*	43	1·956	3·080
59047*	42	1·996	3·498
59048	23	2·480	3·569
59049	18	2·603	3·470
59050	16	2·875	3·685

59051	28	3·029	3·486	59125	11	7·592	4·345	59199	11	23·248	5·605	59273	10	4·620	7·342	59347	24	0·898	9·047
59052	22	3·378	3·950	59126	16	8·567	4·877	59200	12	23·793	5·056	59274	12	5·296	7·814	59348	24	1·112	9·763
59053	11	3·751	3·498	59127	10	9·391	4·231	59201	12	24·338	5·802	59275	10	5·454	7·016	59349	22	1·141	9·935
59054	12	5·204	3·058	59128	12	9·432	4·878	59202*	33	24·656	5·742	59276	12	5·666	7·323	59350	10	1·420	9·607
59055	12	5·548	3·608	59129	10	9·573	4·695	59203	12	25·460	5·555	59277	12	5·715	7·903	59351	12	2·105	9·163
59056	12	5·652	3·241	59130	13	10·073	4·221	59204	18	25·615	5·432	59278	10	6·534	7·061	59352	19	2·267	9·843
59057	12	5·866	3·255	59131	18	10·477	4·082	59205	20	0·570	6·211	59279	12	6·547	7·233	59353	10	2·650	9·828
59058	15	6·514	3·475	59132	13	10·959	4·717	59206	22	0·728	6·586	59280	10	6·684	7·473	59354	12	3·195	9·136
59059	11	7·007	3·322	59133	12	11·170	4·945	59207	10	1·573	6·532	59281	10	7·104	7·640	59355	12	4·031	9·030
59060*	44	7·498	3·173	59134	22	11·706	4·113	59208	10	1·680	6·599	59282	10	7·843	7·603	59356	15	4·289	9·060
59061	17	7·555	3·774	59135	13	14·284	4·388	59209	32	1·719	6·747	59283*	32	8·043	7·580	59357	10	4·358	9·572
59062	10	7·763	3·704	59136	18	14·888	4·667	59210	22	1·979	6·109	59284	13	9·413	7·058	59358	10	4·493	9·405
59063	13	9·284	3·264	59137	10	15·409	4·172	59211	10	2·033	6·841	59285	10	9·813	7·041	59359	11	6·340	9·972
59064	18	9·975	3·165	59138	22	15·525	4·589	59212	12	2·075	6·649	59286	10	10·855	7·093	59360	10	6·548	9·322
59065	12	10·119	3·647	59139	14	15·782	4·879	59213	42	2·121	6·099	59287	19	11·500	7·922	59361	14	6·619	9·755
59066	22	10·670	3·575	59140	22	15·956	4·850	59214	16	2·249	6·233	59288	22	11·839	7·186	59362	11	7·039	9·898
59067	10	10·724	3·078	59141	8	16·605	4·788	59215	22	2·451	6·137	59289	12	12·699	7·636	59363	10	7·864	9·587
59068	23	10·908	3·748	59142	22	16·655	4·195	59216	13	2·585	6·482	59290	13	13·115	7·627	59364	12	9·680	9·894
59069	10	10·965	3·408	59143	12	16·783	4·040	59217	11	3·250	6·024	59291	12	14·461	7·667	59365	12	10·464	9·112
59070	12	11·145	3·082	59144	10	16·929	4·331	59218	12	3·521	6·713	59292	22	15·088	7·657	59366	16	10·808	9·198
59071	22	11·609	3·700	59145	12	17·304	4·482	59219	22	3·653	6·733	59293	10	15·167	7·556	59367	21	12·329	9·656
59072	14	11·934	3·659	59146	19	17·407	4·175	59220	13	4·262	6·185	59294	10	15·369	7·581	59368	22	13·879	9·479
59073	10	12·660	3·837	59147	10	17·601	4·669	59221	15	4·877	6·129	59295*	22	15·545	7·596	59369	10	14·043	9·675
59074	22	13·058	3·152	59148	10	17·668	4·625	59222	12	5·256	6·408	59296	15	16·042	7·148	59370	14	14·133	9·255
59075	10	13·388	3·687	59149	13	17·853	4·547	59223	10	5·398	6·190	59297	10	16·100	7·915	59371	14	15·361	9·940
59076	12	13·894	3·975	59150	22	18·973	4·641	59224	14	5·871	6·968	59298	12	16·361	7·137	59372	14	18·765	9·432
59077	12	14·384	3·510	59151	22	19·501	4·435	59225	12	6·186	6·142	59299	12	16·558	7·654	59373	12	19·171	9·887
59078	12	15·365	3·402	59152	11	19·977	4·620	59226	25	6·195	6·193	59300	20	16·888	7·025	59374*	23	19·330	9·009
59079	10	17·104	3·458	59153	10	20·365	4·084	59227	10	6·366	6·593	59301	13	17·295	7·603	59375	12	19·582	9·638
59080	12	17·799	3·283	59154	12	21·024	4·222	59228	22	6·600	6·652	59302	10	19·325	7·084	59376	15	21·251	9·834
59081	10	18·041	3·321	59155	11	21·151	4·132	59229	10	7·290	6·900	59303	14	22·925	7·825	59377	10	21·649	9·089
59082	10	18·217	3·162	59156	12	21·199	4·028	59230	10	7·972	6·783	59304	10	23·058	7·385	59378	10	21·818	9·702
59083	10	18·708	3·348	59157	10	21·478	4·040	59231	11	8·140	6·922	59305	11	25·582	7·282	59379	24	21·988	9·271
59084	17	19·164	3·176	59158	12	21·861	4·115	59232	10	8·232	6·848	59306	20	0·621	8·125	59380	12	22·088	9·699
59085	14	19·357	3·612	59159	21	22·139	4·147	59233	11	9·861	6·616	59307	22	1·660	8·085	59381	20	23·128	9·274
59086	12	19·622	3·998	59160	20	22·788	4·782	59234	10	9·927	6·603	59308	13	1·691	8·433	59382	10	23·783	9·984
59087	11	19·900	3·226	59161	12	23·172	4·633	59235	14	10·114	6·000	59309	32	2·126	8·854	59383	10	24·575	9·560
59088	10	20·087	3·723	59162	24	23·476	4·172	59236	10	11·391	6·707	59310	12	2·683	8·620	59384	12	25·289	9·491
59089	11	20·239	3·534	59163	10	24·123	4·033	59237	16	12·774	6·435	59311	10	2·720	8·055	59385	10	25·632	9·526
59090	12	20·344	3·332	59164	11	24·424	4·329	59238	13	12·931	6·612	59312*	32	3·813	8·845	59386	15	0·028	10·867
59091	10	20·631	3·786	59165	22	24·965	4·732	59239	14	13·157	6·368	59313	11	4·290	8·347	59387	15	0·111	10·383
59092	10	20·867	3·914	59166	12	25·014	4·033	59240	20	14·347	6·162	59314	10	4·520	8·800	59388	17	0·989	10·973
59093	11	21·214	3·212	59167	22	0·111	5·938	59241	16	14·830	6·965	59315	11	4·635	8·698	59389	17	1·236	10·028
59094	10	21·422	3·937	59168	40	0·564	5·895	59242	20	15·981	6·765	59316	10	4·776	8·457	59390	13	1·303	10·788
59095	12	21·938	3·273	59169	22	1·286	5·735	59243	15	16·191	6·122	59317	14	5·911	8·777	59391	15	1·339	10·110
59096	10	22·429	3·388	59170	20	2·866	5·093	59244	10	16·688	6·192	59318	11	5·971	8·178	59392	15	2·045	10·007
59097	10	23·174	3·948	59171	10	3·574	5·639	59245	11	17·324	6·686	59319	11	9·684	8·393	59393	11	4·284	10·839
59098	12	23·630	3·716	59172	12	4·625	5·574	59246	10	17·341	6·786	59320	22	9·922	8·658	59394	24	4·355	10·937
59099	12	23·921	3·825	59173	10	5·051	5·108	59247	10	18·426	6·402	59321	18	10·306	8·668	59395	12	4·501	10·947
59100	10	25·492	3·320	59174	12	5·497	5·923	59248	19	18·496	6·552	59322	21	11·171	8·140	59396*	32	4·580	10·814
59101	15	25·631	3·652	59175	10	6·493	5·616	59249	10	18·692	6·564	59323	10	11·713	8·805	59397	16	4·847	10·919
59102	10	25·756	3·881	59176	19	6·498	5·245	59250	10	19·236	6·172	59324	24	13·712	8·461	59398	10	5·608	10·691
59103	12	25·892	3·323	59177	14	7·916	5·573	59251	17	19·486	6·162	59325	10	15·784	8·169	59399	12	5·700	10·413
59104	12	1·099	4·462	59178	12	8·537	5·970	59252	19	19·706	6·206	59326	19	16·194	8·619	59400	10	6·264	10·293
59105	22	1·375	4·632	59179	12	9·107	5·077	59253	20	20·863	6·836	59327	22	16·518	8·365	59401	11	6·655	10·063
59106	15	1·520	4·417	59180	12	10·712	5·631	59254	12	21·651	6·657	59328	12	17·145	8·967	59402	10	7·880	10·237
59107	12	1·589	4·753	59181	19	11·515	5·268	59255	11	23·485	6·948	59329	17	17·261	8·159	59403	13	9·429	10·525
59108	14	2·179	4·602	59182	22	12·516	5·271	59256	10	23·895	6·037	59330	12	18·251	8·197	59404	12	10·688	10·791
59109	12	2·454	4·567	59183	13	12·572	5·455	59257	11	24·065	6·717	59331	24	18·663	8·448	59405	16	11·289	10·374
59110	14	3·231	4·716	59184	12	13·372	5·037	59258	14	24·069	6·461	59332	21	18·928	8·691	59406	12	11·293	10·521
59111	12	3·624	4·053	59185	17	14·580	5·922	59259	11	24·424	6·892	59333	10	19·128	8·118	59407	32	12·267	10·723
59112*	22	3·773	4·893	59186	12	15·442	5·794	59260	12	25·286	6·142	59334	10	20·557	8·792	59408	15	12·609	10·341
59113	11	3·905	4·349	59187	13	15·593	5·408	59261	12	25·462	6·283	59335	11	20·612	8·929	59409	19	12·614	10·982
59114	12	4·387	4·194	59188	12	16·325	5·416	59262	12	25·601	6·815	59336	22	20·737	8·248	59410	22	13·520	10·333
59115	10	4·901	4·819	59189*	42	16·434	5·517	59263	22	0·275	7·958	59337	11	21·147	8·979	59411	14	16·595	10·423
59116	12	4·957	4·987	59190	10	17·044	5·542	59264	30	0·445	7·862	59338	10	22·089	8·312	59412	12	17·198	10·623
59117	11	5·043	4·565	59191*	22	17·513	5·498	59265	20	0·481	7·794	59339	12	22·234	8·772	59413	30	17·211	10·079
59118	10	5·514	4·176	59192	25	17·571	5·736	59266	10	2·243	7·426	59340	10	22·264	8·780	59414	13	19·568	10·323
59119	10	5·845	4·676	59193	14	17·720	5·677	59267	10	2·393	7·199	59341	23	22·756	8·588	59415	10	20·371	10·366
59120	12	6·562	4·592	59194	12	18·371	5·785	59268	12	2·475	7·984	59342	10	22·786	8·919	59416	12	21·444	10·838
59121	22	6·590	4·768	59195	12	19·043	5·027	59269	11	3·051	7·778	59343	10	24·461	8·548	59417	11	21·555	10·793
59122	12	7·238	4·128	59196*	32	20·064	5·511	59270	22	3·106	7·348	59344	11	24·527	8·652	59418	10	21·884	10·669
59123	12	7·239	4·704	59197	19	21·820	5·130	59271	11	3·225	7·773	59345	11	25·782	8·929	59419	10	23·111	10·461
59124	10	7·580	4·563	59198	10	22·430	5·262	59272	10	3·783	7·468	59346	11	25·936	8·646	59420	14	24·396	10·826

59421	10	24.813	10.369	59495	11	5.101	12.967	59569	13	18.199	13.594	59643	10	4.125	15.466	59717	10	18.673	16.468
59422	10	24.849	10.683	59496	11	5.393	12.768	59570	15	18.637	13.815	59644	10	4.224	15.268	59718	10	18.968	16.771
59423	10	25.548	10.139	59497	10	5.584	12.884	59571	19	18.763	13.228	59645	10	4.592	15.207	59719	10	19.282	16.214
59424	10	25.854	10.436	59498	11	5.796	12.545	59572	13	18.859	13.562	59646	10	4.810	15.097	59720	10	19.768	16.992
59425	12	25.956	10.888	59499	12	7.197	12.067	59573	13	20.321	13.367	59647	10	4.909	15.725	59721	11	20.013	16.178
59426	17	0.366	11.861	59500	12	8.311	12.677	59574	13	20.535	13.966	59648	11	5.118	15.852	59722	20	20.785	16.795
59427	35	0.387	11.553	59501	13	8.567	12.534	59575	11	20.555	13.238	59649	10	5.211	15.197	59723	10	21.858	16.081
59428	34	0.586	11.365	59502	12	8.682	12.092	59576	10	20.674	13.172	59650	10	5.484	15.713	59724*	22	25.549	16.566
59429	10	1.144	11.605	59503	12	9.003	12.253	59577	18	21.603	13.205	59651	10	5.781	15.747	59725	12	25.593	16.615
59430	16	1.294	11.727	59504	10	9.242	12.022	59578	22	21.788	13.748	59652	11	6.609	15.454	59726	22	0.036	17.942
59431	10	2.883	11.468	59505	12	11.184	12.248	59579	10	22.298	13.322	59653	10	6.897	15.685	59727	22	0.305	17.091
59432	10	3.835	11.603	59506	15	13.868	12.435	59580	10	22.706	13.351	59654	15	7.714	15.283	59728	22	0.481	17.625
59433	11	4.100	11.557	59507	12	14.627	12.755	59581	10	23.949	13.740	59655	11	7.804	15.405	59729	14	0.486	17.063
59434	11	4.386	11.705	59508	15	15.372	12.326	59582	13	24.068	13.395	59656	15	8.908	15.700	59730	15	0.806	17.842
59435	12	4.676	11.777	59509	13	19.029	12.210	59583*	22	24.983	13.095	59657	12	11.025	15.789	59731	28	1.116	17.043
59436	12	4.743	11.553	59510	10	19.603	12.692	59584	20	25.411	13.363	59658	12	12.890	15.451	59732*	47	1.396	17.572
59437	10	5.065	11.737	59511	11	19.609	12.486	59585	10	25.864	13.238	59659	19	12.986	15.679	59733	10	2.500	17.873
59438	19	6.158	11.324	59512	12	19.717	12.088	59586	15	0.018	14.503	59660	13	13.808	15.882	59734	12	2.618	17.074
59439	11	6.436	11.231	59513	12	21.154	12.077	59587	14	0.320	14.928	59661	16	14.514	15.148	59735	13	2.700	17.417
59440	11	6.662	11.188	59514	12	21.441	12.229	59588	12	0.758	14.287	59662	19	14.593	15.168	59736	10	3.054	17.208
59441	11	6.998	11.227	59515	10	21.904	12.995	59589	22	0.893	14.702	59663	22	15.015	15.230	59737	10	3.632	17.463
59442	12	7.367	11.527	59516	14	21.995	12.124	59590	23	1.060	14.119	59664	17	15.371	15.453	59738	11	3.680	17.786
59443	13	7.425	11.718	59517	13	21.998	12.193	59591	15	1.773	14.106	59665	12	15.520	15.194	59739	11	4.130	17.776
59444	11	7.462	11.053	59518	10	21.998	12.512	59592	13	1.909	14.537	59666	13	15.816	15.348	59740	10	4.450	17.083
59445	11	7.843	11.058	59519	10	22.504	12.594	59593	10	2.023	14.826	59667	13	17.233	15.358	59741	10	5.105	17.145
59446	11	8.472	11.703	59520	10	23.323	12.142	59594	10	2.294	14.164	59668	10	17.820	15.301	59742	10	10.593	17.979
59447	12	10.313	11.703	59521	10	23.429	12.903	59595	22	2.600	14.196	59669	14	17.885	15.368	59743	12	10.628	17.082
59448	12	10.536	11.188	59522	10	25.411	12.440	59596	10	2.721	14.430	59670	10	18.231	15.042	59744	10	11.182	17.039
59449	12	10.658	11.598	59523	10	25.873	12.649	59597	10	3.382	14.955	59671	12	19.101	15.984	59745	10	11.626	17.964
59450	22	10.999	11.681	59524	15	0.490	13.616	59598	10	3.424	14.244	59672	15	19.945	15.853	59746	13	12.617	17.263
59451	17	11.045	11.445	59525	19	0.490	13.418	59599	23	3.497	14.759	59673	10	21.605	15.918	59747	10	12.871	17.501
59452	17	12.478	11.017	59526	22	0.497	13.319	59600	11	3.561	14.368	59674	10	21.896	15.487	59748	10	13.670	17.551
59453	12	12.599	11.776	59527	13	0.951	13.236	59601	12	3.589	14.749	59675	10	22.059	15.444	59749	12	13.948	17.040
59454	12	13.388	11.692	59528	21	1.571	13.746	59602	10	4.480	14.216	59676	10	23.075	15.540	59750	12	14.244	17.681
59455	15	14.701	11.897	59529	10	1.677	13.363	59603	12	5.140	14.699	59677	12	23.920	15.508	59751	13	14.309	17.868
59456	15	14.795	11.515	59530	21	1.728	13.615	59604	10	5.322	14.331	59678	11	24.245	15.531	59752	10	15.391	17.739
59457	13	15.648	11.968	59531	12	2.371	13.225	59605	10	6.255	14.328	59679	11	24.906	15.686	59753	10	15.518	17.161
59458	12	15.830	11.299	59532	10	2.500	13.726	59606	15	7.517	14.377	59680	10	24.924	15.173	59754	11	15.526	17.256
59459	23	18.313	11.699	59533	10	2.578	13.492	59607	10	8.333	14.622	59681	16	25.851	15.926	59755	22	15.558	17.660
59460	10	19.122	11.662	59534	32	3.211	13.224	59608	11	11.149	14.499	59682	16	0.354	16.829	59756*	35	15.601	17.171
59461	14	19.572	11.428	59535	10	3.284	13.958	59609	13	11.755	14.369	59683	20	0.367	16.863	59757	21	15.773	17.587
59462	22	19.999	11.582	59536	10	4.168	13.150	59610	12	11.971	14.500	59684	11	0.571	16.151	59758	11	17.498	17.572
59463	13	20.000	11.103	59537	11	4.192	13.244	59611	12	12.314	14.671	59685	22	0.775	16.465	59759	22	18.273	17.548
59464	12	20.279	11.765	59538	17	4.425	13.684	59612	10	14.254	14.879	59686	10	0.963	16.823	59760	12	18.276	17.755
59465	12	20.600	11.275	59539	23	4.434	13.348	59613	15	15.505	14.206	59687	12	1.482	16.167	59761	19	18.283	17.491
59466	10	20.680	11.499	59540	20	4.458	13.963	59614	10	16.271	14.441	59688	15	2.013	16.313	59762	12	18.426	17.377
59467	11	20.804	11.593	59541	11	5.602	13.302	59615	15	16.561	14.739	59689	10	2.392	16.103	59763	22	19.599	17.350
59468	10	21.636	11.779	59542	23	5.743	13.162	59616	22	16.663	14.032	59690	11	2.786	16.397	59764	10	19.601	17.297
59469	11	22.669	11.977	59543	11	6.665	13.381	59617	14	17.273	14.984	59691	12	2.838	16.956	59765	15	19.694	17.978
59470	10	22.903	11.917	59544	10	6.677	13.488	59618*	30	19.171	14.868	59692	13	3.018	16.623	59766	11	20.244	17.108
59471	21	23.245	11.850	59545	10	6.764	13.868	59619	16	19.690	14.606	59693	11	3.078	16.629	59767	12	20.400	17.945
59472	10	23.648	11.578	59546	12	8.262	13.426	59620	22	19.982	14.160	59694	13	3.239	16.237	59768	11	21.423	17.300
59473	12	23.990	11.062	59547	11	8.406	13.582	59621	12	20.041	14.385	59695	12	3.528	16.174	59769	10	21.665	17.356
59474	14	24.571	11.248	59548	10	8.563	13.858	59622	19	20.631	14.302	59696	12	4.516	16.517	59770	13	22.101	17.383
59475	10	24.934	11.249	59549	10	9.329	13.530	59623	12	20.631	14.799	59697	25	4.625	16.665	59771	10	23.023	17.139
59476	10	25.045	11.319	59550	13	10.449	13.582	59624	12	21.764	14.297	59698	10	4.702	16.763	59772	10	23.128	17.890
59477	11	25.539	11.626	59551	22	11.896	13.599	59625	12	24.366	14.317	59699	10	5.380	16.734	59773	11	23.625	17.544
59478	10	25.577	11.062	59552	19	12.043	13.384	59626	11	24.805	14.128	59700	18	5.400	16.973	59774	11	23.911	17.476
59479	13	25.756	11.715	59553	18	12.167	13.565	59627	10	25.251	14.088	59701	10	5.458	16.822	59775	11	24.266	17.403
59480	19	0.095	12.612	59554	15	12.330	13.099	59628	12	0.108	15.888	59702	19	5.488	16.226	59776	27	24.508	17.978
59481*	55	0.395	12.506	59555	17	12.409	13.862	59629	13	0.189	15.687	59703	12	5.877	16.430	59777	10	24.598	17.733
59482	18	0.634	12.348	59556	13	13.078	13.897	59630	13	0.293	15.493	59704	10	5.942	16.085	59778	38	0.120	18.483
59483	12	0.817	12.967	59557	10	14.174	13.837	59631	12	1.162	15.168	59705	22	6.078	16.770	59779	24	0.612	18.231
59484	11	1.092	12.921	59558	22	14.207	13.303	59632	18	1.513	15.420	59706	10	7.946	16.109	59780	18	0.911	18.596
59485	12	1.240	12.088	59559	21	14.663	13.585	59633	12	1.747	15.071	59707	14	8.467	16.758	59781	12	1.130	18.135
59486	19	1.780	12.252	59560	15	14.857	13.192	59634	10	2.224	15.169	59708	11	11.233	16.993	59782	14	1.138	18.892
59487	10	2.455	12.503	59561	10	14.890	13.627	59635	10	2.974	15.476	59709	12	11.303	16.816	59783	22	1.163	18.018
59488	10	2.740	12.974	59562	19	15.644	13.950	59636	10	3.151	15.071	59710	11	12.142	16.149	59784	20	1.419	18.581
59489	13	2.817	12.024	59563	22	16.489	13.982	59637	10	3.161	15.563	59711	13	13.145	16.230	59785*	39	1.683	18.909
59490	12	3.010	12.807	59564	19	16.932	13.500	59638	11	3.171	15.909	59712	10	14.420	16.598	59786*	22	2.145	18.948
59491	15	3.297	12.109	59565	11	17.086	13.757	59639	10	3.376	15.970	59713	22	14.462	16.578	59787	12	2.155	18.599
59492*	32	4.064	12.204	59566	15	17.641	13.122	59640	11	3.418	15.972	59714	17	14.934	16.587	59788	12	2.656	18.225
59493	10	4.359	12.849	59567	18	17.832	13.298	59641	10	3.496	15.918	59715*	52	15.700	16.231	59789	11	2.912	18.899
59494	12	4.631	12.802	59568	10	17.927	13.572	59642	11	3.572	15.107	59716	13	16.363	16.527	59790	22	3.199	18.973

59791	11	3·260	18·892	59865	16	12·651	19·557	59939	10	23·652	20·158	60013	10	7·586	22·493	60087	10	17·187	23·489
59792	21	3·276	18·708	59866	10	12·752	19·003	59940	10	23·716	20·815	60014	12	8·439	22·640	60088	12	17·238	23·463
59793	12	3·891	18·139	59867	18	12·871	19·145	59941	10	24·690	20·756	60015	12	9·395	22·319	60089	12	17·246	23·870
59794	10	4·560	18·840	59868	21	13·012	19·014	59942	37	0·841	21·063	60016	10	10·330	22·173	60090	10	17·435	23·003
59795	10	5·218	18·383	59869	10	14·316	19·219	59943	24	0·931	21·713	60017	11	10·723	22·275	60091	9	17·555	23·847
59796	10	5·303	18·296	59870	10	14·471	19·088	59944	10	1·409	21·641	60018	10	11·015	22·350	60092	10	17·621	23·918
59797	11	5·568	18·912	59871	14	14·589	19·517	59945	21	2·258	21·800	60019	10	11·108	22·283	60093	10	20·413	23·952
59798	10	5·921	18·126	59872	12	15·099	19·794	59946	12	2·738	21·613	60020	10	11·801	22·275	60094	12	20·549	23·405
59799	10	6·404	18·183	59873*	30	16·872	19·204	59947	15	3·581	21·858	60021	10	13·447	22·190	60095	11	22·115	23·176
59800	21	6·500	18·142	59874	23	17·486	19·025	59948	10	3·698	21·378	60022	10	13·641	22·051	60096	11	22·949	23·297
59801	19	9·164	18·608	59875	14	17·844	19·333	59949	11	3·766	21·806	60023	13	15·037	22·676	60097	13	23·405	23·358
59802	15	9·215	18·041	59876	10	18·394	19·296	59950	11	6·158	21·763	60024	19	15·593	22·738	60098	15	25·835	23·617
59803	13	9·325	18·634	59877	15	18·817	19·350	59951	13	6·865	21·927	60025	10	15·935	22·800	60099	37	25·943	23·625
59804	10	9·499	18·119	59878	22	19·004	19·445	59952	10	6·981	21·525	60026	23	16·149	22·461	60100	22	1·030	24·951
59805	11	9·984	18·401	59879	12	19·754	19·824	59953	11	8·192	21·161	60027	22	16·167	22·256	60101	21	2·800	24·025
59806	12	10·071	18·908	59880	20	19·846	19·684	59954	10	8·321	21·466	60028	17	17·010	22·663	60102*	32	3·019	24·578
59807	19	11·220	18·513	59881	15	19·855	19·706	59955	22	9·180	21·388	60029*	39	17·783	22·476	60103	22	3·930	24·312
59808	11	11·521	18·624	59882	10	20·195	19·863	59956	10	9·498	21·038	60030	22	18·432	22·680	60104	12	4·265	24·265
59809	12	12·798	18·331	59883	10	20·702	19·420	59957	11	9·921	21·122	60031	21	20·083	22·645	60105	11	5·209	24·829
59810	11	13·032	18·346	59884	22	21·374	19·647	59958	11	10·113	21·814	60032	22	20·217	22·030	60106	11	5·960	24·098
59811	11	13·210	18·379	59885	10	21·752	19·270	59959	10	10·296	21·825	60033	15	20·300	22·358	60107	11	6·267	24·803
59812	13	13·393	18·458	59886	10	21·874	19·355	59960	15	10·420	21·140	60034	11	20·305	22·059	60108	10	6·315	24·273
59813	12	13·599	18·992	59887	10	22·427	19·294	59961	10	10·661	21·436	60035	10	20·776	22·317	60109	10	6·517	24·186
59814	11	15·085	18·877	59888	11	23·735	19·753	59962	13	10·880	21·754	60036	10	21·168	22·707	60110	23	7·041	24·607
59815	10	15·850	18·923	59889	10	24·814	19·062	59963	10	10·976	21·334	60037	10	21·858	22·698	60111	12	7·380	24·392
59816	11	15·929	18·322	59890	10	25·205	19·694	59964	10	11·185	21·540	60038	22	22·592	22·295	60112	10	7·698	24·694
59817	18	16·350	18·041	59891	13	25·208	19·680	59965	13	11·339	21·964	60039	22	22·742	22·507	60113	10	7·777	24·843
59818	10	16·476	18·416	59892	11	25·215	19·028	59966	13	11·429	21·745	60040	11	22·766	22·543	60114	24	8·115	24·887
59819	10	16·628	18·544	59893	10	25·505	19·240	59967	10	11·605	21·723	60041	11	23·799	22·273	60115	12	8·356	24·734
59820	12	16·789	18·262	59894	27	0·649	20·159	59968	19	12·001	21·738	60042	23	23·937	22·886	60116	10	8·843	24·875
59821	21	16·810	18·558	59895	17	0·913	20·750	59969	10	12·902	21·136	60043	11	24·175	22·297	60117	12	10·053	24·617
59822	22	16·959	18·336	59896	22	0·925	20·447	59970	19	13·098	21·878	60044	10	24·226	22·603	60118	12	10·059	24·716
59823	10	18·200	18·894	59897	39	1·172	20·412	59971	12	13·229	21·003	60045	11	24·434	22·514	60119	13	10·210	24·713
59824	11	18·467	18·632	59898	15	1·253	20·627	59972	14	13·600	21·951	60046	18	25·364	22·016	60120	10	10·282	24·884
59825	10	19·025	18·448	59899	13	2·230	20·014	59973	12	15·104	21·736	60047	17	0·566	23·661	60121	10	10·883	24·217
59826	10	19·228	18·431	59900	11	2·705	20·890	59974	9	15·153	21·151	60048	23	1·740	23·652	60122	11	11·988	24·618
59827	22	19·955	18·699	59901	13	2·841	20·799	59975	12	15·651	21·399	60049	22	3·046	23·200	60123	10	12·064	24·676
59828	11	21·079	18·548	59902	11	3·830	20·973	59976	12	15·664	21·857	60050	18	3·476	23·987	60124	10	12·125	24·761
59829*	32	21·191	18·153	59903	10	4·093	20·648	59977	10	15·892	21·945	60051	10	3·578	23·418	60125	21	12·571	24·201
59830	10	21·299	18·510	59904*	31	4·919	20·194	59978	10	15·943	21·900	60052	13	3·614	23·840	60126	10	12·704	24·427
59831	10	22·251	18·891	59905	11	5·306	20·140	59979	10	16·287	21·656	60053*	43	3·954	23·249	60127	11	12·726	24·236
59832	11	22·475	18·900	59906	10	5·376	20·118	59980	22	17·205	21·025	60054	12	4·408	23·418	60128	10	12·753	24·958
59833	20	22·649	18·643	59907	10	6·194	20·062	59981	22	17·310	21·605	60055	10	4·508	23·292	60129	13	12·782	24·675
59834	10	22·895	18·802	59908	10	6·959	20·297	59982	10	17·425	21·289	60056	13	5·048	23·107	60130	11	13·181	24·994
59835	10	23·821	18·884	59909	10	7·249	20·673	59983	10	17·440	21·573	60057	18	5·218	23·348	60131	10	13·306	24·417
59836	10	25·091	18·436	59910	10	7·270	20·802	59984*	41	18·011	21·226	60058	13	5·556	23·616	60132	12	13·385	24·924
59837	10	25·093	18·724	59911	10	7·335	20·516	59985	12	18·021	21·169	60059	11	5·676	23·848	60133	12	13·454	24·414
59838	35	0·105	19·999	59912	12	7·384	20·921	59986	11	18·815	21·396	60060	10	6·665	23·208	60134	12	13·784	24·253
59839	35	1·198	19·501	59913	10	7·693	20·748	59987	10	19·606	21·968	60061	10	6·795	23·526	60135	20	14·504	24·490
59840	15	1·525	19·427	59914	12	8·673	20·067	59988*	37	19·638	21·830	60062	10	7·108	23·009	60136	10	14·771	24·805
59841	19	2·454	19·343	59915	20	9·900	20·300	59989	10	21·200	21·048	60063	12	7·876	23·682	60137	10	15·338	24·673
59842	10	2·468	19·427	59916	10	10·100	20·423	59990	10	22·116	21·492	60064	10	8·024	23·180	60138	13	15·354	24·602
59843	16	3·072	19·150	59917	12	10·406	20·724	59991	13	22·885	21·293	60065	10	8·658	23·361	60139	10	15·701	24·614
59844	10	3·571	19·642	59918	10	10·597	20·550	59992	12	22·898	21·356	60066	10	9·065	23·552	60140	10	15·829	24·553
59845	12	3·901	19·888	59919	10	10·855	20·000	59993	12	23·019	21·399	60067	10	9·804	23·264	60141	10	17·724	24·926
59846	10	4·492	19·063	59920	11	11·551	20·718	59994	10	24·258	21·414	60068	10	10·899	23·232	60142	10	18·009	24·959
59847	10	4·915	19·490	59921	12	11·747	20·388	59995	18	24·631	21·982	60069	12	11·065	23·629	60143	23	18·858	24·715
59848	23	5·251	19·188	59922	12	12·526	20·748	59996	19	0·739	22·130	60070	10	11·164	23·941	60144	18	19·319	24·280
59849	13	5·267	19·567	59923	13	15·487	20·643	59997	20	0·780	22·287	60071	19	11·288	23·814	60145	19	19·747	24·152
59850*	31	5·677	19·810	59924	12	15·514	20·603	59998	23	1·165	22·748	60072	10	11·514	23·610	60146	16	20·176	24·835
59851	10	6·031	19·127	59925	13	15·661	20·182	59999	24	1·860	22·262	60073	11	11·957	23·132	60147	23	21·496	24·344
59852	11	6·470	19·689	59926	14	15·956	20·576	60000	18	2·408	22·735	60074	21	12·220	23·802	60148	10	21·513	24·042
59853	11	6·520	19·213	59927	12	16·531	20·928	60001	40	2·804	22·415	60075	12	12·505	23·424	60149	11	21·648	24·938
59854	10	6·940	19·881	59928	10	17·034	20·553	60002	20	2·961	22·356	60076	10	13·048	23·358	60150	10	22·163	24·511
59855	10	7·843	19·138	59929	10	17·573	20·468	60003	10	5·159	22·414	60077	10	13·078	23·632	60151	14	22·515	24·375
59856	10	9·263	19·754	59930	11	18·645	20·169	60004	12	5·349	22·855	60078	10	13·935	23·750	60152	12	24·435	24·834
59857	19	9·750	19·858	59931	10	18·984	20·525	60005	13	6·048	22·414	60079	11	14·018	23·103	60153	22	25·345	24·965
59858	10	9·768	19·162	59932	11	19·095	20·513	60006	10	6·171	22·694	60080	12	14·479	23·758	60154	14	25·605	24·455
59859	11	10·384	19·440	59933	23	19·551	20·601	60007	10	6·337	22·292	60081	10	14·565	23·279	60155*	62	25·665	24·460
59860	12	10·530	19·103	59934	19	20·465	20·189	60008	10	6·560	22·091	60082	18	14·660	23·818	60156	23	1·580	25·040
59861*	20	10·781	19·954	59935*	40	20·668	20·700	60009	10	6·857	22·892	60083	11	14·684	23·152	60157*	54	1·995	25·439
59862	10	11·220	19·439	59936	10	21·349	20·587	60010*	23	7·316	22·195	60084	10	15·842	23·257	60158	24	2·584	25·949
59863	10	11·653	19·713	59937	10	21·354	20·100	60011	15	7·493	22·934	60085	10	16·008	23·850	60159	24	3·175	25·181
59864	12	12·037	19·213	59938	10	21·419	20·511	60012	10	7·564	22·193	60086*	41	16·858	23·589	60160	16	3·793	25·815

No.	d	x	y
60161	10	4·456	25·557
60162	12	4·562	25·085
60163	22	4·652	25·090
60164	12	5·439	25·192
60165	11	6·863	25·587
60166	11	7·187	25·023
60167	17	7·292	25·231
60168	22	7·383	25·791
60169	12	7·944	25·665
60170	11	8·066	25·922
60171	12	8·399	25·897
60172	10	9·545	25·251
60173	18	9·954	25·240
60174	15	10·202	25·676
60175	10	10·707	25·343
60176	10	11·771	25·716
60177	10	12·031	25·927
60178	12	12·222	25·708
60179	10	12·315	25·438
60180	11	12·580	25·633
60181	10	12·861	25·348
60182	10	13·067	25·637
60183	10	13·422	25·232
60184	12	13·565	25·267
60185	11	13·892	25·952
60186	10	14·338	25·551
60187	10	14·452	25·331
60188	10	14·558	25·456
60189	10	14·770	25·165
60190	19	14·908	25·538
60191	10	15·041	25·243
60192	13	16·753	25·931
60193	10	18·068	25·256
60194	10	18·192	25·450
60195	12	18·302	25·375
60196	10	19·036	25·555
60197	10	19·155	25·813
60198	11	19·243	25·693
60199	24	19·455	25·829
60200	12	19·914	25·948
60201	12	20·143	25·196
60202	42	20·286	25·799
60203	22	20·893	25·900
60204	13	21·592	25·335
60205	10	22·259	25·506
60206	25	24·656	25·875
60207	31	25·126	25·715
60208	22	25·973	25·497

R. A. 20h 37m

Plate 2012 ; 1902 Aug. 27.

Provisional Constants.

A	B	C
−·00051	+·00190	−·1494
D	**E**	**F**
−·00161	−·00044	−·4133

Mag. = 16·3 − 1·36√*d*

No.	d	x	y
60301	21	3·453	0·536
60302	19	5·401	0·340
60303	10	6·670	0·601
60304*	47	7·330	0·393
60305	11	7·599	0·771
60306	19	7·640	0·671
60307	10	7·887	0·522
60308	10	11·060	0·953
60309	11	11·445	0·566
60310	19	11·708	0·189
60311	11	12·220	0·243
60312	10	13·249	0·037
60313	10	15·641	0·493
60314	18	19·511	0·953
60315	12	19·711	0·992
60316*	21	22·468	0·551
60317	15	22·468	0·481
60318	10	22·635	0·609
60319	17	1·401	1·216
60320	18	1·761	1·817
60321*	37	2·100	1·787
60322	12	3·629	1·784
60323*	33	4·539	1·917
60324	11	9·224	1·210
60325	12	9·593	1·014
60326	10	9·695	1·701
60327	10	10·390	1·407
60328	12	10·431	1·256
60329	10	10·662	1·401
60330	13	14·309	1·386
60331	10	14·550	1·459
60332	10	14·977	1·664
60333	22	15·615	1·826
60334	12	15·644	1·227
60335	13	16·111	1·116
60336*	21	18·033	1·769
60337	10	18·303	1·729
60338	13	19·682	1·713
60339	12	20·507	1·876
60340	10	22·100	1·677
60341	12	23·306	1·038
60342	10	24·484	1·781
60343	18	24·890	1·316
60344	10	25·005	1·583
60345	16	2·042	2·972
60346*	22	2·586	2·931
60347	13	3·158	2·425
60348	22	3·408	2·970
60349	42	3·490	2·280
60350	11	5·312	2·587
60351	10	5·806	2·782
60352	10	6·560	2·640
60353	11	7·580	2·118
60354	12	7·950	2·295
60355	10	7·991	2·152
60356*	42	8·885	2·391
60357	10	8·996	2·287
60358	13	10·398	2·100
60359	12	10·707	2·862
60360	13	10·830	2·697
60361	22	12·609	2·982
60362	15	12·919	2·908
60363	19	13·965	2·201
60364	10	15·060	2·808
60365	12	16·803	2·149
60366	10	19·451	2·333
60367*	21	21·268	2·829
60368	10	21·507	2·286
60369	13	21·520	2·693
60370	10	22·742	2·744
60371	10	24·194	2·628
60372*	13	25·101	2·902
60373	10	25·231	2·933
60374	22	2·233	3·846
60375	12	3·110	3·025
60376	17	3·310	3·540
60377	14	3·719	3·985

No.	d	x	y
60378	12	4·322	3·285
60379*	45	5·160	3·323
60380	10	5·332	3·733
60381	15	7·300	3·992
60382	20	8·896	3·861
60383	10	9·088	3·549
60384*	24	9·731	3·701
60385	10	11·141	3·409
60386	10	12·297	3·515
60387	10	14·706	3·996
60388	12	14·886	3·643
60389	13	14·899	3·498
60390	10	15·361	3·364
60391	11	17·755	3·065
60392	15	20·177	3·711
60393	12	21·315	3·579
60394	13	21·989	3·603
60395	10	23·177	3·207
60396	10	23·645	3·833
60397*	13	24·405	3·162
60398	14	24·930	3·952
60399	23	0·083	4·400
60400	15	0·520	4·044
60401	29	1·583	4·934
60402	12	4·600	4·466
60403	22	6·090	4·188
60404	12	12·730	4·171
60405	10	14·709	4·426
60406	11	16·986	4·964
60407	12	18·556	4·689
60408	10	20·505	4·871
60409	12	21·089	4·071
60410	10	21·324	4·103
60411*	17	21·918	4·198
60412	10	22·875	4·673
60413	10	23·883	4·128
60414	12	24·486	4·155
60415*	63	24·591	4·855
60416*	24	25·019	4·126
60417	11	25·992	4·277
60418	20	0·414	5·283
60419*	31	1·290	5·949
60420	12	2·090	5·752
60421	18	2·243	5·628
60422	11	2·963	5·036
60423	10	5·755	5·833
60424	12	6·119	5·686
60425	10	6·395	5·536
60426	12	6·980	5·505
60427	13	6·991	5·651
60428	20	7·488	5·437
60429	10	7·633	5·289
60430*	22	8·921	5·631
60431	21	9·236	5·190
60432	13	10·207	5·195
60433	10	10·280	5·203
60434	22	10·301	5·213
60435	12	11·159	5·843
60436	10	11·709	5·163
60437	9	11·725	5·721
60438	14	11·982	5·106
60439	11	12·520	5·710
60440	14	12·620	5·632
60441	10	14·651	5·442
60442	21	15·888	5·778
60443	12	16·335	5·180
60444	19	16·822	5·545
60445	10	17·378	5·920
60446	11	18·827	5·913
60447	12	19·180	5·751
60448	10	20·202	5·441
60449	10	21·738	5·137
60450	10	23·190	5·358
60451	10	23·856	5·117

No.	d	x	y
60452	10	23·885	5·117
60453	10	24·278	5·665
60454	12	24·380	5·881
60455	10	24·451	5·254
60456	10	24·542	5·872
60457	24	0·710	6·678
60458	14	0·972	6·014
60459*	31	3·221	6·743
60460	22	3·399	6·365
60461	15	4·889	6·077
60462	10	6·599	6·922
60463	13	7·875	6·543
60464	10	8·408	6·061
60465	10	8·718	6·727
60466*	38	8·993	6·110
60467	12	10·409	6·923
60468	21	10·951	6·331
60469	13	11·112	6·638
60470	22	11·592	6·518
60471	10	13·352	6·358
60472	13	13·551	6·100
60473	11	13·876	6·575
60474*	22	14·831	6·149
60475	21	14·935	6·066
60476*	32	15·451	6·235
60477	10	15·550	6·143
60478	12	15·951	6·550
60479	13	16·086	6·736
60480	20	17·668	6·135
60481	11	19·439	6·247
60482*	24	21·982	6·110
60483	24	22·674	6·081
60484	10	23·256	6·067
60485	11	25·460	6·359
60486	22	3·267	7·206
60487	12	3·508	7·176
60488	10	4·186	7·597
60489	12	9·611	7·412
60490	13	10·060	7·863
60491	12	10·810	7·230
60492	21	11·650	7·910
60493	12	12·598	7·086
60494	11	13·005	7·481
60495	13	14·971	7·010
60496	11	16·404	7·637
60497	10	19·817	7·167
60498	12	19·836	7·473
60499	10	20·203	7·477
60500	10	22·233	7·605
60501*	19	23·016	7·039
60502	12	23·622	7·852
60503	10	25·492	7·436
60504	12	2·611	8·833
60505*	32	3·657	8·456
60506	10	4·068	8·170
60507	12	6·235	8·634
60508	13	7·180	8·444
60509	10	8·007	8·397
60510	12	8·044	8·977
60511	12	8·350	8·668
60512	23	10·771	8·352
60513	13	13·430	8·569
60514	12	15·798	8·823
60515	32	16·094	8·935
60516	13	16·098	8·117
60517	11	16·271	8·924
60518	10	16·567	8·170
60519	11	17·170	8·709
60520	12	17·619	8·868
60521	13	17·664	8·170
60522	13	18·448	8·799
60523	21	19·040	8·781
60524	13	19·688	8·512
60525	12	20·028	8·414

No.	d	x	y
60526	11	22·040	8·195
60527	13	22·461	8·892
60528	10	22·515	8·655
60529*	15	22·570	8·568
60530	10	23·849	8·825
60531*	22	24·199	8·693
60532	10	24·458	8·890
60533	13	1·977	9·689
60534	10	2·460	9·117
60535	12	2·889	9·708
60536	12	3·130	9·212
60537*	44	3·566	9·629
60538	12	5·101	9·820
60539	12	6·199	9·216
60540	10	6·615	9·237
60541	12	7·402	9·477
60542*	35	7·485	9·237
60543	11	8·067	9·354
60544	12	8·280	9·985
60545*	32	8·717	9·676
60546	10	8·821	9·390
60547	10	9·201	9·650
60548	10	11·258	9·650
60549*	30	15·960	9·561
60550	10	19·521	9·041
60551	11	19·623	9·187
60552	12	19·965	9·480
60553	12	1·556	10·885
60554	10	2·246	10·333
60555	10	3·542	10·926
60556	10	4·141	10·752
60557	12	4·151	10·753
60558	10	4·250	10·951
60559	10	4·536	10·776
60560	12	5·170	10·831
60561	10	5·244	10·110
60562*	19	5·375	10·102
60563	19	5·380	10·089
60564	10	5·400	10·878
60565	9	5·825	10·602
60566	13	6·989	10·784
60567*	37	8·580	10·161
60568	11	11·444	10·452
60569	21	14·657	10·676
60570	11	18·006	10·363
60571	23	18·732	10·615
60572	14	19·089	10·638
60573	11	19·358	10·343
60574	10	20·924	10·630
60575	12	21·439	10·535
60576	10	22·406	10·911
60577	13	24·047	10·041
60578	10	24·580	10·096
60579	13	25·356	10·901
60580	10	25·989	10·255
60581	20	0·700	11·281
60582	32	1·105	11·036
60583	21	1·288	11·455
60584	11	2·261	11·818
60585	15	2·478	11·907
60586	12	2·664	11·077
60587	13	3·224	11·460
60588	18	4·431	11·700
60589	13	5·557	11·924
60590	16	5·625	11·479
60591	18	5·956	11·914
60592	10	7·552	11·792
60593	12	7·940	11·668
60594	10	9·425	11·191
60595	12	11·563	11·222
60596	13	12·228	11·291
60597	22	13·218	11·285
60598*	42	13·415	11·288
60599	12	13·900	11·246

60600	13	14·128	11·689	60674	12	17·891	14·902	60748	22	17·691	17·108	60822	10	24·916	19·653	60896	10	8·992	22·755
60601	10	14·411	11·181	60675	10	20·198	14·694	60749	12	17·770	17·040	60823	23	3·761	20·954	60897	11	9·151	22·101
60602	23	14·736	11·096	60676*	30	21·521	14·363	60750	12	17·906	17·760	60824*	32	4·858	20·408	60898	13	9·550	22·309
60603	11	22·837	11·407	60677	10	21·551	14·757	60751	21	19·226	17·305	60825	11	4·985	20·776	60899	10	10·471	22·259
60604	15	23·571	11·706	60678	11	23·305	14·066	60752	13	19·334	17·728	60826*	25	5·850	20·201	60900	10	11·680	22·944
60605	10	23·781	11·174	60679	10	23·919	14·176	60753	13	19·493	17·415	60827	10	7·535	20·296	60901	13	13·076	22·470
60606	11	25·430	11·145	60680	11	24·531	14·386	60754	12	19·830	17·713	60828	10	7·663	20·535	60902	10	13·105	22·341
60607	12	5·616	12·019	60681	10	25·304	14·083	60755	10	19·842	17·673	60829	10	9·114	20·604	60903	12	14·910	22·183
60608	25	5·748	12·576	60682	12	25·621	14·648	60756	11	21·366	17·564	60830	10	9·491	20·115	60904	10	15·165	22·785
60609	10	5·992	12·208	60683	19	0·700	15·726	60757	14	22·125	17·463	60831	12	9·764	20·034	60905	23	15·421	22·393
60610	19	6·077	12·100	60684	16	1·023	15·742	60758*	34	23·461	17·518	60832	13	9·826	20·583	60906	10	15·473	22·167
60611	21	7·906	12·316	60685	12	1·690	15·886	60759	15	23·552	17·755	60833	9	10·031	20·551	60907	10	15·885	22·887
60612	12	8·706	12·492	60686*	61	3·808	15·286	60760	10	23·671	17·860	60834	11	11·347	20·237	60908	18	16·084	22·276
60613	22	11·299	12·884	60687*	22	4·670	15·851	60761	13	24·198	17·951	60835	13	11·393	20·580	60909*	30	17·347	22·280
60614*	44	11·638	12·600	60688	13	4·862	15·770	60762	10	24·867	17·869	60836	19	13·390	20·545	60910	12	18·281	22·202
60615	21	14·126	12·332	60689	10	5·396	15·742	60763	9	24·911	17·709	60837	10	13·444	20·734	60911	17	19·083	22·713
60616	22	14·660	12·059	60690	13	7·633	15·934	60764	12	25·276	17·297	60838	12	14·561	20·883	60912	12	20·329	22·898
60617	12	15·064	12·405	60691	10	8·640	15·869	60765	10	25·944	17·313	60839	10	14·855	20·573	60913	13	22·008	22·321
60618*	53	15·296	12·000	60692*	21	9·251	15·648	60766	33	1·324	18·186	60840	16	16·160	20·587	60914	10	22·631	22·702
60619	11	19·362	12·102	60693	13	12·710	15·106	60767	16	3·140	18·950	60841	12	16·405	20·796	60915	10	22·676	22·050
60620	19	20·038	12·069	60694	12	16·442	15·171	60768	10	4·989	18·307	60842	16	16·781	20·728	60916	13	24·300	22·641
60621	10	20·526	12·337	60695	12	17·425	15·584	60769	12	5·465	18·738	60843	15	17·164	20·023	60917*	35	25·451	22·382
60622	12	20·971	12·224	60696	12	17·765	15·411	60770	10	5·691	18·406	60844	13	17·480	20·708	60918	24	0·827	23·101
60623	19	21·520	12·864	60697	14	18·010	15·571	60771	10	9·111	18·506	60845	22	17·819	20·595	60919	18	2·732	23·810
60624	10	24·226	12·909	60698	13	18·791	15·664	60772	10	9·221	18·139	60846	10	17·891	20·296	60920*	32	2·844	23·814
60625	10	24·520	12·280	60699	13	18·826	15·529	60773	10	9·274	18·234	60847	10	18·441	20·854	60921	14	4·129	23·835
60626	10	24·763	12·162	60700	10	21·299	15·137	60774	11	10·351	18·009	60848	10	18·568	20·777	60922	20	6·000	23·852
60627	26	25·935	12·029	60701	11	22·171	15·738	60775	15	11·441	18·683	60849	12	18·671	20·743	60923	13	6·276	23·385
60628	22	0·818	13·609	60702	10	22·660	15·092	60776	14	11·748	18·156	60850	23	19·014	20·591	60924	15	7·525	23·782
60629*	33	1·727	13·299	60703	10	22·835	15·726	60777	12	13·054	18·808	60851	12	19·838	20·934	60925	10	8·090	23·080
60630	18	2·158	13·558	60704	10	23·071	15·891	60778*	30	13·630	18·714	60852	10	20·030	20·294	60926	10	9·567	23·455
60631	15	3·260	13·082	60705	9	23·332	15·529	60779	12	13·856	18·165	60853	12	21·915	20·293	60927	11	10·805	23·754
60632	11	3·780	13·725	60706	12	25·300	15·840	60780*	30	14·030	18·025	60854	11	21·916	20·608	60928	10	10·885	23·735
60633	10	4·299	13·582	60707*	28	2·345	16·757	60781	12	14·526	18·589	60855	12	23·165	20·368	60929*	54	12·877	23·976
60634	13	4·826	13·980	60708	22	2·640	16·113	60782	10	14·633	18·982	60856	12	23·702	20·466	60930	11	13·101	23·968
60635	23	6·329	13·325	60709	13	7·665	16·537	60783	12	14·869	18·548	60857	11	24·120	20·666	60931	13	13·120	23·086
60636*	22	6·659	13·806	60700	23	7·706	16·636	60784	10	14·969	18·496	60858	13	25·976	20·341	60932	10	14·016	23·517
60637	12	7·171	13·710	60711	10	9·810	16·913	60785	12	15·231	18·508	60859*	50	3·768	21·073	60933	12	14·402	23·591
60638	21	7·545	13·300	60712	12	10·171	16·240	60786	20	18·111	18·040	60860	13	5·040	21·322	60934	13	15·705	23·214
60639	14	8·345	13·028	60713	19	12·256	16·368	60787	12	18·880	18·837	60861*	40	5·541	21·318	60935	12	15·849	23·341
60640	12	10·125	13·296	60714	22	12·420	16·249	60788*	31	22·089	18·486	60862	12	8·330	21·765	60936	11	15·901	23·277
60641	23	11·101	13·595	60715	10	15·776	16·743	60789	10	22·860	18·320	60863	10	9·682	21·247	60937	13	17·699	23·670
60642	10	11·228	13·610	60716	22	15·862	16·591	60790	10	23·692	18·937	60864	13	11·400	21·763	60938	12	20·245	23·778
60643	11	11·240	13·736	60717	12	16·770	16·792	60791	12	23·730	18·720	60865	21	11·865	21·805	60939	10	20·493	23·747
60644	12	12·841	13·647	60718	23	16·820	16·411	60792	10	24·920	18·363	60866	10	12·201	21·140	60940	10	20·538	23·273
60645	12	14·371	13·310	60719	12	17·440	16·158	60793	12	25·338	18·143	60867	13	12·783	21·288	60941*	29	22·145	23·723
60646	13	14·765	13·304	60720	12	17·491	16·349	60794	21	2·050	19·878	60868	12	12·808	21·511	60942	13	22·823	23·994
60647	12	16·989	13·009	60721	13	20·351	16·108	60795	12	3·132	19·841	60869	14	16·189	21·898	60943	12	24·695	23·000
60648	12	19·037	13·624	60722	12	20·940	16·797	60796	19	3·492	19·229	60870	12	16·970	21·467	60944	13	24·831	23·656
60649	13	19·845	13·613	60723	12	20·992	16·218	60797	11	6·725	19·691	60871	10	16·992	21·422	60945	33	25·768	23·596
60650	10	20·455	13·717	60724*	41	21·476	16·577	60798	12	8·246	19·376	60872	12	17·935	21·285	60946*	58	2·579	24·650
60651	10	21·606	13·133	60725	12	21·631	16·427	60799	12	9·871	19·155	60873	12	18·666	21·263	60947	12	5·390	24·487
60652	13	24·001	13·676	60726	10	22·882	16·776	60800*	28	11·229	19·069	60874	23	18·753	21·687	60948	12	7·736	24·212
60653	10	24·971	13·116	60727	9	23·201	16·818	60801	10	12·451	19·751	60875	11	18·860	21·272	60949	10	8·711	24·936
60654	20	1·129	14·526	60728	13	24·054	16·373	60802	10	13·320	19·454	60876	10	19·215	21·606	60950	22	9·958	24·278
60655	12	1·561	14·336	60729	11	24·462	16·740	60803	11	14·094	19·634	60877	10	19·866	21·579	60951	13	12·095	24·734
60656	12	2·943	14·699	60730	10	25·684	16·308	60804	12	16·588	19·387	60878	19	20·416	21·657	60952	13	13·718	24·900
60657	12	3·254	14·372	60731	20	0·717	17·693	60805*	30	17·641	19·081	60879	12	20·461	21·737	60953	10	15·354	24·590
60658*	56	3·850	14·688	60732	12	1·406	17·940	60806	10	18·248	19·457	60880	10	22·438	21·984	60954	13	16·461	24·291
60659	12	4·676	14·533	60733	10	3·286	17·657	60807	13	18·380	19·351	60881	12	22·683	21·373	60955	14	16·841	24·813
60660	10	5·240	14·971	60734	11	3·873	17·170	60808	9	19·495	19·565	60882	22	22·881	21·679	60956	13	18·923	24·662
60661	11	5·837	14·960	60735	10	4·362	17·788	60809	10	19·578	19·427	60883	10	22·951	21·257	60957	11	19·587	24·483
60662	12	8·165	14·686	60736*	42	5·104	17·517	60810	9	19·967	19·674	60884	12	23·306	21·797	60958	11	24·188	24·645
60663	12	9·140	14·242	60737	10	7·621	17·581	60811	10	20·920	19·174	60885	13	24·316	21·085	60959	34	2·056	25·916
60664	10	10·173	14·609	60738	10	10·866	17·836	60812	15	21·021	19·028	60886	13	24·934	21·090	60960	23	2·263	25·160
60665	12	10·639	14·076	60739	12	11·068	17·270	60813	10	21·230	19·696	60887	10	25·271	21·027	60961	18	2·899	25·688
60666	15	11·589	14·461	60740	12	12·868	17·127	60814	10	21·510	19·786	60888	15	1·505	22·187	60962*	47	4·535	25·118
60667	10	11·684	14·805	60741	12	13·110	17·538	60815	9	21·570	19·513	60889	13	2·234	22·215	60963*	42	4·651	25·251
60668	12	12·031	14·295	60742	10	13·337	17·237	60816	11	22·195	19·227	60890	24	2·921	22·689	60964	12	7·691	25·519
60669	13	12·599	14·523	60743	10	14·391	17·263	60817	13	22·438	19·682	60891	10	6·725	22·235	60965	20	7·737	25·490
60670	10	13·925	14·359	60744	11	14·941	17·345	60818	11	22·961	19·500	60892	12	6·970	22·312	60966	11	10·070	25·802
60671	21	15·671	14·185	60745	11	16·222	17·284	60819	13	23·825	19·110	60893	10	7·110	22·674	60967	10	10·091	25·173
60672	18	16·159	14·991	60746	12	17·100	17·683	60820	10	24·175	19·619	60894	12	7·330	22·470	60968	13	10·785	25·438
60673	17	17·470	14·823	60747	13	17·116	17·738	60821	15	24·403	19·450	60895	10	7·581	22·378	60969	25	11·751	25·608

No.	d	x	y
60970	30	12·171	25·444
60971	10	12·341	25·424
60972	10	13·960	25·227
60973	13	14·251	25·953
60974	12	14·656	25·920
60975	13	14·958	25·275
60976	12	16·195	25·804
60977	13	16·536	25·425
60978	12	18·872	25·328
60979	12	18·926	25·037
60980	10	19·098	25·448
60981	10	19·691	25·643
60982	10	21·773	25·632
60983	12	22·664	25·034
60984	10	23·424	25·101
60985	11	23·714	25·436

R. A. 20h 46m

Plate 2015 ; 1902 Sept. 3.

Provisional Constants.

A	B	C
−·00042	+·00395	−·1932
D	**E**	**F**
−·00372	−·00051	−·2512

Mag. = 17·1 − 1·36$\sqrt{d}$

No.	d	x	y
61001	14	3·643	0·181
61002	13	4·301	0·260
61003	14	6·190	0·819
61004	20	7·132	0·087
61005	18	7·311	0·461
61006	12	9·428	0·576
61007	10	10·252	0·891
61008	11	10·989	0·091
61009	13	11·628	0·570
61010	11	12·117	0·661
61011	13	13·031	0·789
61012	11	13·762	0·276
61013	10	14·744	0·377
61014	12	16·654	0·112
61015	10	17·305	0·810
61016	10	18·167	0·781
61017	11	18·593	0·830
61018*	26	18·684	0·501
61019	10	19·187	0·442
61020	16	19·539	0·642
61021	14	20·428	0·972
61022	13	20·614	0·220
61023	11	21·523	0·231
61024	11	21·684	0·220
61025	14	22·337	0·765
61026	14	23·492	0·994
61027	23	25·818	0·084
61028	15	1·094	1·979
61029	33	1·489	1·505
61030	15	1·611	1·769
61031	40	3·138	1·491
61032	13	3·306	1·814
61033	22	3·659	1·016
61034*	28	4·830	1·868
61035*	24	5·739	1·195

No.	d	x	y
61036	10	6·316	1·691
61037	18	6·488	1·240
61038	12	6·549	1·682
61039	13	7·615	1·555
61040	9	8·031	1·994
61041	20	9·185	1·513
61042	14	9·371	1·995
61043	10	9·858	1·338
61044	12	9·870	1·709
61045	10	10·764	1·083
61046	14	11·001	1·407
61047	14	11·099	1·386
61048	12	11·388	1·882
61049	10	11·478	1·529
61050	18	12·275	1·755
61051	21	12·684	1·530
61052	10	12·890	1·265
61053*	41	13·980	1·170
61054	12	14·215	1·613
61055	12	14·486	1·755
61056	20	14·782	1·380
61057	13	15·169	1·488
61058	14	15·655	1·060
61059	12	16·062	1·027
61060	11	18·280	1·961
61061	10	18·694	1·450
61062	12	20·562	1·579
61063	13	21·695	1·768
61064	16	21·700	1·939
61065	11	21·708	1·781
61066	14	21·735	1·221
61067	13	22·018	1·776
61068	13	22·180	1·978
61069	14	24·818	1·540
61070	12	24·918	1·949
61071	18	25·096	1·507
61072	13	25·252	1·900
61073	19	2·928	2·241
61074	18	5·928	2·659
61075	20	6·860	2·732
61076	13	7·570	2·150
61077	13	8·091	2·320
61078	11	9·131	2·067
61079	14	9·580	2·281
61080	13	9·696	2·612
61081	13	9·783	2·552
61082	19	10·508	2·999
61083	14	11·745	2·311
61084	10	12·126	2·888
61085	13	13·564	2·211
61086	13	14·536	2·621
61087	12	14·900	2·480
61088	11	14·932	2·082
61089	19	15·314	2·030
61090	14	15·493	2·733
61091*	23	16·270	2·367
61092	15	16·366	2·360
61093	11	17·400	2·371
61094	13	17·816	2·260
61095	15	18·206	2·844
61096	16	18·248	2·640
61097	14	18·624	2·078
61098	10	19·572	2·270
61099	13	20·190	2·183
61100	12	20·394	2·595
61101	12	20·882	2·416
61102	12	21·470	2·858
61103	13	22·120	2·033
61104	13	22·226	2·577
61105*	14	22·388	2·898
61106	13	24·434	2·720
61107	12	25·194	2·701
61108*	24	1·044	3·361
61109*	22	1·737	3·084

No.	d	x	y
61110	21	3·208	3·505
61111	13	5·218	3·095
61112	11	5·344	3·980
61113	16	5·803	3·657
61114	11	6·260	3·319
61115	13	6·351	3·987
61116	21	6·478	3·398
61117	21	6·793	3·990
61118	11	6·833	3·526
61119	18	7·050	3·343
61120	13	7·341	3·253
61121	11	8·794	3·269
61122	12	9·638	3·324
61123	13	10·149	3·809
61124	13	10·188	3·537
61125	10	10·264	3·326
61126	12	12·081	3·550
61127	11	12·245	3·364
61128	10	12·266	3·072
61129	10	12·407	3·055
61130	20	12·729	3·940
61131	9	12·888	3·749
61132	10	13·433	3·819
61133*	22	13·580	3·507
61134	10	14·012	3·821
61135	10	15·481	3·032
61136	12	15·693	3·494
61137	10	16·507	3·525
61138	11	16·957	3·094
61139	11	17·510	3·381
61140	10	17·750	3·339
61141*	25	18·250	3·733
61142	12	19·626	3·513
61143	19	20·093	3·177
61144	10	21·929	3·810
61145	10	23·340	3·050
61146	19	24·010	3·877
61147	15	25·070	3·470
61148	10	25·215	3·440
61149	12	25·240	3·191
61150	18	25·748	3·002
61151	11	25·970	3·633
61152	14	0·543	4·341
61153	15	1·148	4·352
61154	23	1·584	4·138
61155*	40	1·680	4·312
61156	23	2·654	4·440
61157	14	2·690	4·256
61158	12	6·056	4·768
61159	13	6·446	4·472
61160	12	6·509	4·744
61161	20	6·956	4·608
61162	11	7·101	4·894
61163	11	8·761	4·400
61164	14	8·826	4·780
61165	12	10·077	4·510
61166	18	11·002	4·629
61167*	33	11·416	4·052
61168	11	12·785	4·889
61169	14	13·835	4·402
61170	24	14·075	4·946
61171	20	15·021	4·451
61172	11	15·467	4·640
61173	26	15·530	4·147
61174	11	16·368	4·447
61175	10	16·727	4·275
61176	16	17·721	4·917
61177	11	17·991	4·428
61178	10	18·366	4·874
61179	20	18·851	4·226
61180	11	18·920	4·337
61181	14	18·940	4·137
61182	18	21·109	4·089
61183	15	22·780	4·820

No.	d	x	y
61184	13	24·277	4·164
61185	15	25·194	4·501
61186	12	25·374	4·407
61187	15	25·969	4·870
61188	14	0·570	5·330
61189*	85	1·266	5·049
61190	11	3·136	5·237
61191	14	4·023	5·675
61192	11	4·062	5·621
61193	11	5·068	5·267
61194	11	5·107	5·033
61195	13	6·030	5·136
61196	11	6·638	5·738
61197	10	6·697	5·336
61198	20	7·685	5·672
61199	14	8·037	5·257
61200	12	8·391	5·990
61201*	40	8·933	5·808
61202	12	9·161	5·490
61203	10	10·250	5·501
61204	10	10·366	5·344
61205	13	11·942	5·424
61206	10	12·933	5·622
61207	14	13·294	5·102
61208	10	13·474	5·862
61209	11	15·164	5·626
61210	11	15·204	5·522
61211	12	15·908	5·179
61212	28	16·844	5·070
61213	12	18·157	5·331
61214	11	19·277	5·974
61215	20	19·749	5·305
61216	13	20·509	5·024
61217	18	20·624	5·992
61218	10	20·730	5·536
61219	11	21·387	5·470
61220	10	21·478	5·204
61221	12	22·254	5·144
61222	24	22·724	5·398
61223	19	22·822	5·969
61224	12	23·356	5·621
61225	11	23·735	5·228
61226	20	24·146	5·294
61227	11	24·449	5·594
61228	12	24·556	5·730
61229	16	25·137	5·549
61230	30	25·850	5·840
61231	22	1·083	6·081
61232	15	2·170	6·534
61233	10	3·186	6·916
61234	10	3·514	6·253
61235	12	3·638	6·760
61236	11	4·184	6·236
61237	23	4·337	6·802
61238	20	5·448	6·750
61239	14	6·087	6·434
61240	10	6·614	6·268
61241	16	6·894	6·341
61242	14	11·189	6·939
61243	11	11·377	6·229
61244	12	11·552	6·266
61245	10	11·804	6·560
61246	18	12·513	6·543
61247	10	14·221	6·736
61248	14	17·473	6·407
61249	11	17·674	6·391
61250	11	19·212	6·735
61251	13	19·821	6·875
61252	11	20·560	6·480
61253	17	21·593	6·535
61254	13	23·395	6·798
61255	10	23·586	6·586
61256	20	24·259	6·534
61257	10	25·360	6·653

No.	d	x	y
61258	13	25·455	6·325
61259	11	2·227	7·608
61260	12	2·811	7·962
61261*	26	4·800	7·394
61262	10	5·294	7·523
61263	26	5·933	7·117
61264	11	6·182	7·292
61265	14	6·520	7·190
61266	20	6·794	7·430
61267	20	6·990	7·685
61268	11	7·109	7·754
61269	10	7·400	7·131
61270	16	12·352	7·372
61271	10	13·721	7·071
61272*	58	14·001	7·150
61273	11	14·502	7·626
61274	11	15·136	7·924
61275	16	15·169	7·737
61276	13	15·568	7·481
61277	13	17·662	7·967
61278	14	17·674	7·835
61279	10	19·550	7·333
61280	10	20·764	7·237
61281*	44	21·594	7·567
61282	21	21·692	7·371
61283	12	22·568	7·328
61284	14	24·864	7·979
61285	12	25·288	7·726
61286	12	25·428	7·870
61287	25	0·366	8·064
61288*	32	0·961	8·893
61289	10	3·130	8·874
61290	10	4·381	8·942
61291	13	5·897	8·891
61292	21	7·452	8·349
61293	11	7·474	8·563
61294	12	7·926	8·588
61295	11	9·015	8·489
61296	13	9·091	8·560
61297	14	9·945	8·182
61298	20	11·736	8·286
61299	13	11·976	8·685
61300	13	12·302	8·030
61301*	35	12·907	8·824
61302	20	13·237	8·306
61303	14	16·525	8·781
61304	14	17·219	8·491
61305	20	18·148	8·249
61306	21	18·964	8·050
61307	11	19·296	8·010
61308	12	19·967	8·760
61309	10	20·055	8·359
61310	13	20·444	8·960
61311	10	20·685	8·178
61312	12	21·048	8·818
61313	18	21·110	8·939
61314	10	21·922	8·520
61315	11	22·295	8·272
61316	20	22·316	8·901
61317	20	23·020	8·608
61318	20	23·270	8·991
61319	10	24·122	8·048
61320	13	24·372	8·929
61321	13	24·444	8·973
61322	10	24·551	8·401
61323	11	24·748	8·993
61324	10	24·868	8·190
61325	10	24·882	8·360
61326	10	24·907	8·309
61327	20	24·952	8·680
61328	11	25·693	8·908
61329	19	3·024	9·099
61330	13	3·430	9·660
61331	14	3·721	9·232

61332	13	4·320	9·454
61333*	28	5·656	9·147
61334	12	6·089	9·854
61335	10	6·318	9·804
61336	20	8·085	9·710
61337	12	8·360	9·814
61338	13	9·540	9·940
61339*	29	10·158	9·364
61340	14	10·944	9·385
61341	14	11·936	9·489
61342	19	13·700	9·854
61343*	38	14·097	9·114
61344	28	14·782	9·850
61345	10	16·523	9·180
61346	13	17·110	9·779
61347	14	18·363	9·570
61348	13	19·281	9·542
61349	11	19·762	9·896
61350	10	20·126	9·391
61351	12	20·266	9·028
61352	17	20·280	9·008
61353	11	22·231	9·302
61354	22	22·330	9·029
61355	10	24·788	9·434
61356	23	0·840	10·247
61357	13	1·371	10·289
61358	10	2·784	10·417
61359	13	2·940	10·827
61360	14	4·472	10·530
61361	10	5·261	10·790
61362	10	5·574	10·462
61363	10	6·492	10·021
61364	13	6·892	10·056
61365	19	7·182	10·457
61366	10	7·444	10·777
61367	22	8·150	10·680
61368	10	8·277	10·394
61369	21	10·499	10·454
61370	21	10·782	10·891
61371	13	11·050	10·606
61372	21	11·486	10·931
61373	16	11·854	10·872
61374	15	12·009	10·565
61375	14	12·361	10·548
61376	12	13·190	10·434
61377	14	13·500	10·381
61378	21	14·139	10·550
61379	14	15·106	10·998
61380	30	15·949	10·280
61381	13	16·140	10·020
61382	18	17·791	10·951
61383	21	18·314	10·071
61384	13	19·055	10·892
61385	13	19·148	10·987
61386	13	19·204	10·036
61387	25	19·236	10·150
61388	13	19·512	10·123
61389	13	19·610	10·283
61390	13	19·900	10·180
61391	10	20·338	10·245
61392	20	21·210	10·694
61393	11	22·110	10·862
61394	10	22·730	10·876
61395	12	22·930	10·035
61396	10	23·152	10·473
61397	14	23·588	10·512
61398	11	23·760	10·765
61399	15	24·155	10·816
61400	10	24·902	10·655
61401	13	25·348	10·625
61402	10	25·436	10·658
61403	10	25·836	10·285
61404	10	25·956	10·090
61405	26	0·401	11·920

61406	14	0·600	11·387
61407	23	2·167	11·074
61408	14	2·242	11·320
61409	14	3·349	11·520
61410	16	3·492	11·536
61411	10	5·585	11·390
61412	19	5·590	11·854
61413	13	5·607	11·086
61414	11	6·242	11·140
61415	10	6·334	11·566
61416	12	7·671	11·120
61417	13	7·695	11·262
61418	13	8·960	11·541
61419	16	9·896	11·896
61420	13	10·058	11·377
61421	14	10·164	11·707
61422	13	10·513	11·555
61423	14	11·033	11·890
61424	10	11·124	11·025
61425	13	11·273	11·819
61426	19	11·479	11·143
61427	15	13·046	11·600
61428	14	13·080	11·565
61429	15	17·134	11·948
61430	15	17·173	11·637
61431	14	17·964	11·433
61432	14	18·226	11·398
61433	17	18·656	11·195
61434	16	18·812	11·798
61435	11	20·373	11·042
61436	14	20·416	11·730
61437	11	20·757	11·050
61438	11	20·956	11·199
61439	16	21·441	11·678
61440	13	22·666	11·213
61441*	36	22·815	11·748
61442	13	23·162	11·459
61443	12	23·663	11·969
61444	10	24·852	11·382
61445	12	1·363	12·476
61446	13	2·348	12·920
61447	11	2·398	12·077
61448*	27	2·770	12·194
61449	10	3·164	12·210
61450	11	3·851	12·949
61451	14	4·131	12·790
61452	10	4·216	12·540
61453	20	4·357	12·167
61454	10	4·398	12·060
61455	10	5·626	12·900
61456	11	5·652	12·868
61457	14	6·839	12·308
61458	10	7·199	12·517
61459	11	7·248	12·068
61460	16	7·272	12·651
61461	14	9·344	12·606
61462	10	9·449	12·500
61463	10	10·040	12·462
61464*	40	10·443	12·745
61465	13	11·154	12·442
61466	13	12·111	12·715
61467*	50	13·545	12·453
61468	14	13·828	12·967
61469	14	14·041	12·788
61470	14	14·237	12·066
61471	17	14·484	12·021
61472	16	14·764	12·600
61473	20	15·800	12·242
61474	15	16·735	12·739
61475	14	17·549	12·341
61476	11	17·693	12·921
61477	22	18·255	12·181
61478	24	18·596	12·389
61479	13	18·830	12·133

61480	16	19·248	12·925
61481	13	19·293	12·349
61482	14	19·415	12·384
61483	11	20·417	12·755
61484	17	20·425	12·730
61485	11	20·687	12·430
61486	27	22·989	12·815
61487	13	23·027	12·380
61488	14	23·371	12·398
61489	10	23·937	12·096
61490	23	24·181	12·364
61491	10	24·651	12·579
61492	10	24·766	12·048
61493	12	25·082	12·470
61494	11	25·226	12·508
61495	10	25·560	12·150
61496	25	0·876	13·880
61497	14	1·080	13·108
61498	14	1·832	13·301
61499	13	2·231	13·180
61500	10	2·480	13·069
61501	14	2·594	13·540
61502	16	3·684	13·723
61503	11	3·692	13·111
61504	14	3·783	13·851
61505	10	3·901	13·741
61506	10	5·013	13·571
61507	13	5·731	13·311
61508	11	5·852	13·304
61509	16	6·215	13·708
61510	15	7·448	13·749
61511	21	8·258	13·240
61512	14	8·491	13·790
61513	11	8·721	13·709
61514	16	9·273	13·086
61515	15	9·735	13·792
61516	13	9·939	13·535
61517*	30	10·029	13·259
61518	14	10·320	13·711
61519	11	11·403	13·646
61520	11	12·530	13·203
61521	14	13·270	13·196
61522	19	13·342	13·266
61523	14	13·493	13·081
61524	16	13·564	13·760
61525	16	14·748	13·642
61526	14	18·282	13·760
61527	12	19·392	13·433
61528	13	19·607	13·431
61529	10	21·190	13·216
61530	11	22·607	13·442
61531	11	23·030	13·692
61532	10	23·242	13·407
61533	10	24·052	13·859
61534	10	24·540	13·030
61535	18	0·186	14·286
61536	18	0·803	14·382
61537	15	1·421	14·578
61538	13	2·187	14·260
61539	14	2·515	14·816
61540	12	2·954	14·788
61541	12	3·245	14·605
61542	15	3·388	14·094
61543	12	3·710	14·757
61544	14	3·790	14·312
61545	20	5·763	14·161
61546	11	6·059	14·355
61547	20	6·471	14·490
61548	11	6·712	14·265
61549	16	7·757	14·067
61550	12	7·980	14·275
61551	10	8·078	14·966
61552	12	8·337	14·176
61553*	38	8·654	14·317

61554	14	10·260	14·870
61555	14	17·544	14·057
61556	19	19·244	14·991
61557	20	19·736	14·489
61558	20	20·306	14·071
61559*	31	21·620	14·307
61560	15	21·673	14·425
61561	14	21·990	14·159
61562	16	24·000	14·593
61563	10	24·102	14·580
61564	10	24·745	14·824
61565	17	25·234	14·394
61566	10	25·430	14·502
61567	10	25·724	14·280
61568	12	0·246	15·750
61569	28	3·672	15·361
61570	12	3·868	15·452
61571	15	4·287	15·241
61572	14	4·946	15·070
61573	26	5·294	15·096
61574	11	5·361	15·571
61575	19	6·090	15·897
61576	14	6·217	15·954
61577	14	6·600	15·410
61578	15	7·294	15·910
61579	10	7·999	15·993
61580	10	9·280	15·517
61581	13	10·602	15·029
61582*	25	11·030	15·108
61583	20	11·744	15·872
61584	19	12·490	15·841
61585	16	13·284	15·459
61586*	28	14·609	15·350
61587	11	14·729	15·834
61588	14	14·899	15·986
61589	20	15·490	15·101
61590	11	16·240	15·889
61591	13	16·891	15·960
61592	13	18·350	15·790
61593	22	20·345	15·434
61594	13	20·402	15·106
61595	11	20·562	15·036
61596	11	20·771	15·996
61597	12	21·519	15·417
61598*	56	21·650	15·658
61599	14	22·821	15·160
61600	11	23·435	15·328
61601	18	24·449	15·364
61602	16	24·527	15·030
61603	10	25·008	15·874
61604	24	0·988	16·576
61605	15	1·403	16·933
61606	21	2·219	16·014
61607	13	2·340	16·070
61608	14	2·356	16·025
61609	12	2·617	16·475
61610	10	3·758	16·989
61611	12	4·053	16·020
61612	21	4·170	16·734
61613	10	4·978	16·720
61614*	40	6·973	16·368
61615	14	7·686	16·385
61616	11	8·060	16·631
61617	10	8·177	16·515
61618	10	8·572	16·661
61619	10	8·780	16·141
61620	10	10·204	16·783
61621	18	10·933	16·568
61622	13	11·130	16·133
61623	12	11·740	16·022
61624	16	11·791	16·882
61625	19	13·117	16·511
61626	14	13·402	16·469
61627	10	13·721	16·914

61628	16	13·773	16·946
61629	14	13·969	16·404
61630	18	14·967	16·890
61631	12	15·798	16·847
61632	13	16·874	16·090
61633*	37	19·732	16·875
61634	13	19·942	16·697
61635	17	20·295	16·980
61636	10	22·632	16·510
61637	22	22·706	16·290
61638	12	22·810	16·548
61639	10	22·941	16·658
61640	13	23·028	16·947
61641	12	23·506	16·540
61642	10	24·224	16·239
61643	10	25·262	16·664
61644	18	25·554	16·341
61645*	61	0·419	17·735
61646	30	0·519	17·970
61647	14	2·231	17·471
61648	11	2·897	17·472
61649	10	3·359	17·192
61650	12	3·710	17·911
61651	22	4·166	17·965
61652	10	5·602	17·273
61653	14	6·038	17·428
61654	15	6·171	17·759
61655	10	6·278	17·982
61656	10	6·528	17·886
61657	20	8·353	17·219
61658	10	8·442	17·726
61659	10	8·512	17·870
61660	12	9·082	17·161
61661	21	10·303	17·960
61662	14	10·497	17·080
61663	14	11·234	17·915
61664	13	11·980	17·763
61665	20	12·225	17·721
61666	10	12·342	17·158
61667	11	12·421	17·922
61668	10	12·555	17·852
61669	27	12·671	17·980
61670	14	12·854	17·750
61671	13	13·044	17·109
61672	13	13·379	17·772
61673	14	14·490	17·080
61674	13	15·690	17·736
61675	11	15·832	17·999
61676	12	15·848	17·597
61677	12	16·900	17·783
61678	13	16·944	17·300
61679	12	16·755	17·906
61680	10	17·826	17·497
61681	18	18·417	17·607
61682	10	18·499	17·685
61683	11	19·116	17·943
61684	23	19·148	17·910
61685*	28	20·055	17·869
61686	12	20·080	17·121
61687	14	21·171	17·270
61688	11	22·204	17·051
61689	10	22·499	17·443
61690	11	22·724	17·308
61691	14	22·857	17·150
61692	15	22·904	17·688
61693	10	23·940	17·028
61694	10	24·216	17·779
61695	10	24·566	17·628
61696	11	25·099	17·057
61697	16	25·988	17·452
61698	24	0·713	18·930
61699	21	1·168	18·151
61700	13	1·834	18·055
61701	16	1·896	18·545

61702	15	2·309	18·320	61776	10	11·680	19·550	61850	14	24·678	20·923	61924	14	5·583	23·899	61998	11	14·166	25·786
61703	17	3·094	18·740	61777	11	12·025	19·400	61851	24	1·355	21·280	61925*	31	7·254	23·142	61999	14	16·068	25·808
61704	12	3·757	18·264	61778	12	13·020	19·200	61852	23	1·972	21·275	61926	11	7·557	23·271	62000	11	16·683	25·898
61705	19	4·536	18·137	61779	11	13·427	19·424	61853	19	2·308	21·204	61927	14	8·200	23·616	62001	11	17·058	25·116
61706	12	4·987	18·450	61780	10	13·467	19·898	61854	24	4·229	21·988	61928	14	8·385	23·563	62002	13	17·620	25·329
61707	12	5·066	18·394	61781	21	13·725	19·130	61855	10	6·097	21·501	61929	13	8·598	23·750	62003	10	17·630	25·859
61708	10	6·149	18·435	61782	22	13·952	19·666	61856	10	8·241	21·384	61930	20	8·766	23·624	62004	18	17·950	25·670
61709	13	6·753	18·690	61783	14	14·598	19·264	61857	13	10·674	21·490	61931	10	10·076	23·902	62005	14	18·078	25·137
61710	11	6·899	18·726	61784	14	16·644	19·159	61858	11	10·828	21·002	61932	13	10·171	23·924	62006	13	18·441	25·750
61711	13	7·394	18·520	61785	17	18·079	19·431	61859	23	12·564	21·764	61933	10	10·249	23·762	62007*	30	19·757	25·631
61712	13	9·305	18·301	61786	11	18·196	19·367	61860	19	13·656	21·621	61934	21	10·500	23·508	62008	14	20·269	25·794
61713	11	10·100	18·444	61787	14	18·350	19·770	61861	10	14·304	21·136	61935*	33	10·884	23·747	62009	10	20·290	25·483
61714	21	10·352	18·149	61788	13	18·678	19·342	61862	10	14·460	21·240	61936	11	11·855	23·750	62010	18	21·033	25·725
61715	10	10·620	18·324	61789	11	18·752	19·860	61863	10	14·681	21·601	61937	10	12·086	23·031	62011	10	21·476	25·494
61716	12	11·350	18·971	61790	20	18·888	19·463	61864	13	16·230	21·966	61938	10	12·799	23·721	62012	15	22·155	25·296
61717	10	11·962	18·896	61791	10	19·377	19·835	61865	12	16·655	21·168	61939	10	12·902	23·478	62013	14	22·398	25·940
61718	21	12·930	18·184	61792	10	19·531	19·966	61866	19	16·708	21·576	61940	10	13·356	23·731	62014	23	24·618	25·347
61719	14	13·382	18·340	61793	10	19·605	19·057	61867	10	16·788	21·910	61941	11	13·408	23·096	62015	14	25·227	25·259
61720	10	13·891	18·552	61794	12	19·690	19·102	61868	13	16·886	21·851	61942	10	13·598	23·238				
61721	14	14·029	18·292	61795	10	19·772	19·933	61869	13	16·944	21·160	61943	13	14·047	23·036				
61722	13	14·824	18·952	61796	12	19·790	19·790	61870	14	18·111	21·123	61944	12	14·808	23·630				
61723	10	15·267	18·735	61797	11	20·480	19·272	61871	10	18·838	21·700	61945	16	14·957	23·858				
61724	15	15·384	18·684	61798	18	21·277	19·361	61872	13	19·140	21·885	61946	18	16·731	23·160				
61725	13	15·991	18·583	61799	12	21·583	19·126	61873	15	19·794	21·131	61947	12	16·733	23·209				
61726	12	16·747	18·345	61800	21	21·662	19·249	61874	11	20·459	21·526	61948	10	16·862	23·623				
61727	10	17·006	18·628	61801	12	21·899	19·079	61875	11	20·574	21·910	61949	12	17·903	23·516				
61728	10	17·642	18·874	61802	11	23·248	19·579	61876	23	21·308	21·530	61950	14	18·808	23·876				
61729	11	18·248	18·336	61803	11	23·734	19·287	61877	20	22·227	21·431	61951	14	19·113	23·288				
61730	9	18·299	18·626	61804	14	23·814	19·221	61878	17	23·877	21·699	61952	19	20·027	23·139				
61731	10	18·537	18·022	61805	10	24·057	19·313	61879	18	24·245	21·690	61953	21	20·070	23·729				
61732	21	19·247	18·743	61806	21	24·650	19·870	61880	14	24·495	21·421	61954	14	23·001	23·391				
61733	11	19·955	18·825	61807	10	24·922	19·368	61881	19	0·360	22·011	61955	18	25·326	23·369				
61734	11	19·981	18·898	61808	23	0·186	20·589	61882	22	1·371	22·837	61956	15	25·822	23·564				
61735	11	20·108	18·535	61809	23	0·725	20·676	61883*	35	2·518	22·554	61957	22	4·058	24·944				
61736	11	20·772	18·655	61810	15	1·148	20·868	61884	16	3·914	22·790	61958	22	5·070	24·053				
61737	11	20·998	18·381	61811	11	2·843	20·662	61885	14	3·967	22·504	61959	14	5·138	24·375				
61738	10	21·327	18·857	61812	14	2·993	20·500	61886*	43	5·129	22·231	61960	13	6·084	24·441				
61739*	34	22·270	18·841	61813	16	3·186	20·499	61887	12	5·290	22·296	61961	14	8·825	24·598				
61740	20	22·567	18·486	61814*	30	3·248	20·006	61888*	54	5·401	22·395	61962	19	9·711	24·598				
61741	16	23·734	18·603	61815	22	3·839	20·437	61889	13	5·593	22·501	61963	12	10·429	24·464				
61742	14	24·286	18·421	61816	12	3·959	20·200	61890	24	5·851	22·787	61964	16	11·179	24·441				
61743	10	24·583	18·190	61817	14	5·067	20·996	61891*	33	7·393	22·066	61965	10	12·372	24·460				
61744	10	24·959	18·486	61818	13	5·855	20·373	61892	11	7·770	22·620	61966	20	12·511	24·345				
61745	10	25·481	18·733	61819	15	6·513	20·487	61893	18	8·066	22·315	61967	12	12·771	24·666				
61746	10	25·656	18·503	61820	10	6·770	20·496	61894	10	9·032	22·770	61968	14	13·299	24·687				
61747	10	25·657	18·852	61821	28	7·129	20·697	61895	14	11·117	22·852	61969	14	13·824	24·982				
61748	12	25·694	18·986	61822	24	9·014	20·352	61896	13	11·233	22·660	61970	10	14·985	24·580				
61749	24	0·816	19·319	61823	10	9·401	20·108	61897	20	13·115	22·630	61971	18	16·961	24·681				
61750	28	1·406	19·646	61824	22	9·420	20·099	61898	12	13·397	22·293	61972	12	17·014	24·878				
61751	14	3·441	19·308	61825	10	10·290	20·680	61899	14	13·407	22·863	61973	12	17·965	24·243				
61752	10	3·518	19·044	61826	16	10·533	20·641	61900	10	14·474	22·442	61974	11	18·481	24·679				
61753	12	3·731	19·460	61827	10	11·392	20·844	61901	22	15·074	22·881	61975	10	18·663	24·363				
61754*	35	3·837	19·978	61828	13	13·554	20·987	61902	10	15·477	22·929	61976	10	18·865	24·151				
61755	11	4·202	19·476	61829	10	13·563	20·239	61903	12	15·969	22·814	61977	13	20·226	24·260				
61756	21	4·944	19·580	61830	10	13·651	20·895	61904	23	16·468	22·254	61978	10	20·626	24·086				
61757	13	5·250	19·268	61831	10	15·233	20·702	61905	10	16·579	22·081	61979	11	20·765	24·893				
61758	11	5·607	19·838	61832	14	15·507	20·331	61906	10	18·054	22·139	61980	22	20·920	24·450				
61759	12	5·760	19·606	61833	14	15·800	20·996	61907	12	18·453	22·231	61981	13	21·242	24·200				
61760	10	5·859	19·842	61834	10	16·321	20·575	61908	18	18·551	22·794	61982	11	21·253	24·188				
61761	10	6·104	19·126	61835	11	16·455	20·575	61909	19	18·750	22·180	61983	20	21·837	24·280				
61762	19	6·748	19·794	61836	10	17·384	20·012	61910	13	19·664	22·507	61984	13	22·507	24·035				
61763*	38	6·846	19·265	61837	14	18·030	20·565	61911	14	21·029	22·010	61985	28	22·717	24·792				
61764	20	6·924	19·694	61838	10	18·298	20·611	61912	11	21·137	22·529	61986	21	22·744	24·100				
61765	10	7·390	19·023	61839	10	18·554	20·455	61913	23	21·179	22·360	61987	13	23·530	24·858				
61766	14	8·310	19·486	61840	10	19·026	20·503	61914	11	21·194	22·774	61988	19	23·717	24·706				
61767	10	8·932	19·750	61841	17	19·115	20·308	61915	23	21·797	22·836	61989	11	24·152	24·639				
61768	13	9·685	19·572	61842	10	19·131	20·471	61916	12	23·696	22·137	61990	21	24·750	24·912				
61769	11	10·161	19·112	61843	12	19·252	20·446	61917	21	24·955	22·306	61991	13	25·183	24·398				
61770	10	10·240	19·603	61844	13	19·902	20·285	61918	14	25·167	22·389	61992	25	3·540	25·257				
61771	12	11·155	19·168	61845	12	21·009	20·561	61919	22	25·782	22·184	61993*	75	4·572	25·395				
61772	11	11·255	19·045	61846	16	21·086	20·757	61920	20	25·871	22·046	61994	18	8·850	25·064				
61773	11	11·357	19·197	61847	10	21·401	20·999	61921	19	1·776	23·190	61995	19	11·349	25·755				
61774	11	11·582	19·690	61848	10	22·290	20·913	61922	20	1·928	23·841	61996	10	11·420	25·486				
61775	15	11·635	19·476	61849	11	24·094	20·779	61923*	45	2·864	23·757	61997	14	12·682	25·371				

R. A. 20h 55m

Plate 2017; 1902 Sept. 3.

Provisional Constants.

A	B	C
−·00048	+·00011	−·0719
D	**E**	**F**
+·00002	−·00051	−·3284

Mag. = 16·4 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
62101	22	2·545	0·079
62102	12	5·788	0·198
62103	10	8·190	0·789
62104	11	8·593	0·391
62105	12	10·358	0·734
62106*	48	10·486	0·771
62107	12	11·011	0·310
62108*	32	11·112	0·815
62109	25	12·035	0·462
62110	10	12·986	0·724
62111	12	13·174	0·915
62112	10	13·454	0·971
62113	9	14·521	0·171
62114	14	15·033	0·904
62115*	31	16·061	0·305
62116	10	16·089	0·008
62117	15	16·411	0·199
62118	10	16·537	0·402
62119	22	16·662	0·447
62120	15	16·834	0·650
62121	15	17·104	0·356
62122	25	18·665	0·851
62123	13	19·460	0·353
62124	10	19·780	0·287
62125	21	25·016	0·630
62126	11	25·061	0·270
62127	20	1·851	1·509
62128	14	2·011	1·902
62129	21	3·502	1·721
62130	10	4·950	1·321
62131	11	5·401	1·668
62132*	20	5·889	1·219
62133	16	6·602	1·448

62134	10	6·645	1·727	62208	10	2·174	4·403	62282	12	3·697	6·857	62356	10	20·948	8·537	62430	11	23·990	11·407
62135*	21	7·074	1·321	62209	12	2·777	4·861	62283*	29	5·746	6·307	62357	11	21·482	8·557	62431	11	25·663	11·397
62136	11	8·805	1·981	62210	22	2·945	4·895	62284	12	6·185	6·938	62358*	39	24·468	8·714	62432	12	25·762	11·283
62137*	10	8·823	1·255	62211	10	3·139	4·821	62285*	17	6·201	6·386	62359	17	0·147	9·019	62433	22	0·301	12·427
62138	19	11·990	1·689	62212	13	3·588	4·069	62286	21	6·546	6·905	62360	12	3·468	9·384	62434	10	0·863	12·114
62139	22	12·939	1·823	62213	15	3·670	4·223	62287	10	6·700	6·751	62361	10	4·373	9·046	62435	32	1·111	12·381
62140	10	14·474	1·307	62214	10	4·079	4·416	62288	11	6·900	6·913	62362	10	4·504	9·544	62436	9	1·931	12·021
62141	17	16·831	1·164	62215	12	5·227	4·743	62289	22	7·895	6·218	62363	12	4·619	9·045	62437	10	2·017	12·473
62142	22	17·618	1·217	62216	13	6·205	4·938	62290	12	7·965	6·662	62364	22	4·735	9·938	62438	10	2·489	12·145
62143	10	21·396	1·577	62217*	30	6·633	4·320	62291	10	9·399	6·601	62365	10	6·051	9·304	62439	10	3·037	12·717
62144	9	22·383	1·089	62218	10	7·037	4·362	62292	21	10·315	6·906	62366	10	6·745	9·702	62440	10	4·166	12·224
62145	12	23·489	1·043	62219	12	7·423	4·674	62293	9	11·841	6·917	62367	13	6·870	9·506	62441	9	4·601	12·698
62146	10	23·839	1·162	62220	10	7·490	4·104	62294	13	12·505	6·046	62368	17	7·617	9·577	62442	12	6·347	12·269
62147*	32	23·986	1·847	62221	18	8·176	4·425	62295	12	14·413	6·678	62369	10	8·255	9·555	62443	11	6·591	12·027
62148	12	24·405	1·368	62222	17	8·625	4·515	62296	10	15·107	6·599	62370	12	8·476	9·020	62444	10	6·784	12·228
62149*	23	24·691	1·835	62223	22	12·274	4·912	62297	9	15·327	6·397	62371	13	10·356	9·408	62445	15	7·317	12·858
62150	20	2·529	2·995	62224	17	13·278	4·516	62298*	35	16·220	6·724	62372	11	10·359	9·655	62446	12	8·288	12·505
62151	23	3·381	2·730	62225	10	15·439	4·321	62299	12	16·495	6·812	62373	13	10·796	9·049	62447*	32	10·110	12·296
62152	10	4·491	2·362	62226	10	15·498	4·763	62300	23	17·353	6·333	62374	22	11·889	9·336	62448	11	10·168	12·223
62153	11	4·903	2·933	62227	13	15·562	4·581	62301	11	18·929	6·884	62375	10	14·514	9·233	62449	13	10·949	12·353
62154	10	5·419	2·203	62228	10	15·619	4·243	62302	11	19·039	6·480	62376	32	15·143	9·020	62450	15	11·425	12·082
62155	10	5·684	2·962	62229	15	16·894	4·360	62303*	35	20·181	6·354	62377	11	18·350	9·086	62451	13	12·781	12·098
62156	11	5·698	2·794	62230	18	17·228	4·957	62304	21	24·700	6·801	62378	14	18·621	9·341	62452	11	15·280	12·300
62157	9	6·401	2·024	62231	11	19·373	4·524	62305	11	1·724	7·984	62379	14	20·304	9·442	62453*	34	18·638	12·711
62158	21	7·053	2·758	62232*	19	20·581	4·482	62306	11	2·145	7·727	62380	10	20·451	9·527	62454	22	19·036	12·041
62159	10	7·850	2·137	62233*	40	21·671	4·194	62307	10	2·286	7·870	62381	12	20·991	9·154	62455	10	21·364	12·399
62160*	22	8·774	2·231	62234	10	21·947	4·307	62308	10	3·439	7·241	62382	11	21·756	9·166	62456	10	23·470	12·475
62161	10	9·402	2·908	62235	10	22·665	4·637	62309	12	3·911	7·062	62383	10	22·556	9·297	62457	20	23·546	12·434
62162	12	10·682	2·603	62236	10	24·196	4·801	62310	21	3·968	7·913	62384	12	23·429	9·488	62458	21	24·758	12·989
62163	10	10·911	2·282	62237	20	24·503	4·180	62311	12	7·009	7·677	62385	10	23·833	9·898	62459	11	25·624	12·941
62164	22	12·058	2·504	62238	13	24·665	4·741	62312	11	7·071	7·895	62386	13	24·052	9·926	62460	10	2·865	13·988
62165	16	13·719	2·938	62239	15	24·948	4·926	62313	10	7·184	7·912	62387	10	25·804	9·552	62461	10	3·597	13·657
62166	12	13·830	2·924	62240	10	0·550	5·250	62314	12	8·191	7·432	62388	22	0·489	10·540	62462	16	3·728	13·033
62167	10	14·342	2·521	62241	28	0·962	5·311	62315	10	8·924	7·668	62389	13	0·666	10·790	62463	11	4·214	13·056
62168	19	15·378	2·813	62242	9	1·272	5·609	62316	20	9·793	7·903	62390	22	1·061	10·834	62464	10	4·793	13·768
62169	16	16·028	2·717	62243	19	1·956	5·551	62317	13	11·058	7·684	62391	15	2·251	10·622	62465	21	7·521	13·276
62170	17	17·111	2·687	62244	30	2·675	5·830	62318	22	11·100	7·641	62392	10	7·275	10·947	62466	12	7·865	13·752
62171	32	17·733	2·046	62245*	23	3·759	5·330	62319	10	11·713	7·000	62393	9	8·381	10·736	62467*	39	12·317	13·721
62172	13	18·118	2·097	62246	11	3·833	5·271	62320	10	11·832	7·276	62394	12	9·316	10·460	62468	11	13·996	13·463
62173	10	18·185	2·322	62247	10	4·701	5·922	62321	11	11·920	7·296	62395	12	9·627	10·823	62469	22	14·618	13·276
62174	13	18·441	2·583	62248	10	5·111	5·904	62322	22	12·691	7·229	62396	11	9·991	10·343	62470	19	14·621	13·445
62175*	28	19·602	2·531	62249	13	5·460	5·793	62323	13	13·826	7·244	62397	17	13·970	10·537	62471	10	14·644	13·671
62176	10	20·148	2·111	62250	10	5·863	5·852	62324	31	14·851	7·934	62398	13	16·660	10·044	62472	10	20·035	13·232
62177	10	20·451	2·643	62251	12	6·065	5·627	62325	10	18·547	7·893	62399	22	17·962	10·705	62473	17	20·392	13·764
62178	12	20·620	2·731	62252	10	6·334	5·978	62326	20	20·196	7·218	62400	11	20·125	10·442	62474	10	21·127	13·590
62179*	38	20·815	2·226	62253	9	6·538	5·627	62327	10	21·232	7·664	62401	11	20·591	10·593	62475*	40	22·076	13·531
62180	12	23·657	2·076	62254	9	8·113	5·874	62328	11	21·368	7·568	62402	10	21·063	10·040	62476	10	22·191	13·210
62181	23	0·808	3·896	62255	10	8·553	5·416	62329	12	21·471	7·629	62403	9	22·591	10·695	62477	12	22·275	13·813
62182	19	1·856	3·473	62256	10	9·490	5·608	62330	10	21·805	7·337	62404	12	22·641	10·318	62478	16	22·677	13·487
62183	11	6·268	3·631	62257	15	11·121	5·165	62331	13	22·535	7·942	62405	13	24·567	10·597	62479	10	22·808	13·567
62184	10	7·410	3·462	62258	14	11·368	5·568	62332	17	22·651	7·866	62406	10	25·760	10·852	62480	13	24·043	13·345
62185	10	8·556	3·207	62259	10	11·529	5·561	62333	24	23·406	7·724	62407	16	0·079	11·492	62481*	35	24·724	13·707
62186	12	10·621	3·071	62260	17	14·311	5·816	62334	13	24·273	7·816	62408	12	0·587	11·995	62482	22	0·968	14·613
62187*	23	10·971	3·648	62261	23	14·424	5·459	62335	22	1·249	8·942	62409	19	3·804	11·818	62483	10	1·039	14·361
62188*	25	10·997	3·514	62262	22	14·534	5·600	62336	21	1·320	8·987	62410	13	4·016	11·886	62484	22	2·198	14·392
62189	18	13·137	3·126	62263	13	14·664	5·155	62337	25	1·825	8·686	62411	11	4·598	11·742	62485	10	3·737	14·000
62190	32	14·031	3·761	62264	12	16·477	5·808	62338	22	3·011	8·457	62412	10	4·789	11·096	62486	9	6·467	14·424
62191	11	14·484	3·180	62265*	29	19·137	5·531	62339	10	4·681	8·338	62413	9	4·842	11·659	62487	10	7·080	14·351
62192	12	14·494	3·056	62266	10	20·411	5·528	62340	13	5·421	8·647	62414	12	5·023	11·911	62488	10	7·571	14·568
62193	10	14·536	3·936	62267	10	20·467	5·092	62341	13	5·976	8·296	62415	10	8·212	11·968	62489	13	7·789	14·327
62194	12	14·566	3·190	62268	12	21·021	5·568	62342	12	6·024	8·559	62416	19	9·011	11·502	62490	12	7·994	14·613
62195	12	15·354	3·418	62269	22	21·240	5·305	62343	13	6·036	8·938	62417*	40	10·091	11·629	62491	10	9·420	14·047
62196	11	17·685	3·205	62270	12	22·534	5·174	62344	10	6·823	8·229	62418	10	11·454	11·324	62492	12	9·456	14·240
62197	9	21·121	3·660	62271	10	22·884	5·441	62345	21	6·829	8·089	62419	12	12·016	11·618	62493	9	9·889	14·477
62198	12	21·248	3·789	62272	12	22·887	5·594	62346	19	6·950	8·258	62420*	29	14·121	11·244	62494	12	9·971	14·640
62199	10	23·134	3·831	62273	14	23·029	5·472	62347	13	9·830	8·011	62421	13	14·212	11·687	62495	13	11·958	14·524
62200	10	23·230	3·258	62274	22	23·299	5·883	62348	23	13·360	8·309	62422	12	15·885	11·342	62496	9	14·962	14·974
62201	10	23·750	3·186	62275	11	23·450	5·863	62349	11	13·873	8·305	62423	22	16·255	11·287	62497	12	15·430	14·883
62202	10	24·157	3·093	62276	11	24·676	5·995	62350	24	14·516	8·462	62424	11	16·304	11·074	62498	10	15·770	14·741
62203*	20	24·558	3·481	62277	18	0·235	6·826	62351	10	14·973	8·498	62425	12	17·560	11·535	62499	11	16·292	14·319
62204	10	24·960	3·460	62278	15	0·424	6·614	62352	22	15·525	8·745	62426	31	18·044	11·409	62500	22	17·180	14·615
62205	13	25·153	3·886	62279	21	1·095	6·549	62353	13	16·511	8·107	62427	17	19·611	11·055	62501	13	18·706	14·912
62206	22	1·073	4·179	62280	11	2·198	6·652	62354	10	17·073	8·000	62428	10	19·964	11·603	62502	10	19·124	14·956
62207	11	1·995	4·501	62281	15	2·289	6·321	62355	21	18·413	8·291	62429	23	22·481	11·549	62503	12	20·838	14·865

62504	13	21·128	14·682	62578	22	13·708	17·023	62652	12	9·503	20·553	62726	22	19·163	22·153
62505	13	21·156	14·462	62579	10	15·127	17·215	62653	10	9·847	20·181	62727*	42	20·085	22·770
62506	10	21·475	14·713	62580	8	15·389	17·172	62654	9	10·862	20·033	62728	12	20·499	22·713
62507	15	22·315	14·100	62581	10	15·672	17·363	62655	10	12·139	20·153	62729	11	21·035	22·218
62508	10	23·482	14·412	62582	13	17·713	17·008	62656	22	13·359	20·642	62730	10	21·226	22·281
62509	10	23·977	14·084	62583	19	19·862	17·557	62657	10	16·346	20·291	62731	9	22·050	22·782
62510	22	1·431	15·377	62584	12	21·134	17·522	62658	21	16·424	20·260	62732	10	22·340	22·760
62511	22	1·500	15·042	62585	10	21·260	17·498	62659	21	17·034	20·678	62733	11	22·684	22·214
62512	11	1·996	15·876	62586	15	21·554	17·916	62660	11	17·965	20·828	62734	22	23·844	22·726
62513	11	2·997	15·912	62587	10	22·155	17·779	62661	10	18·540	20·547	62735	10	24·949	22·487
62514	17	3·228	15·277	62588	29	22·186	17·043	62662	16	18·715	20·590	62736	18	0·112	23·428
62515	11	3·445	15·768	62589	15	22·315	17·357	62663	13	18·977	20·738	62737	22	2·437	23·366
62516	11	4·945	15·993	62590	10	22·903	17·404	62664	10	19·754	20·652	62738	12	2·934	23·553
62517	10	5·809	15·783	62591	10	24·283	17·474	62665	30	20·858	20·873	62739	10	6·795	23·752
62518	11	6·147	15·784	62592	23	0·768	18·627	62666	22	21·181	20·986	62740	15	7·949	23·498
62519	10	6·265	15·399	62593	22	1·317	18·437	62667	10	22·916	20·954	62741	10	8·718	23·060
62520	10	6·326	15·167	62594	12	2·513	18·726	62668	21	23·300	20·623	62742	15	10·670	23·855
62521*	36	6·748	15·160	62595	13	4·696	18·042	62669	17	23·810	20·505	62743	21	10·718	23·689
62522	10	7·513	15·982	62596	22	4·834	18·986	62670	9	25·410	20·192	62744	22	12·631	23·651
62523	11	7·633	15·987	62597	13	5·201	18·201	62671	13	25·628	20·959	62745	15	13·149	23·307
62524	13	9·556	15·957	62598	10	8·136	18·602	62672	10	25·683	20·438	62746	15	13·312	23·421
62525	10	9·575	15·192	62599	15	8·194	18·317	62673	22	0·960	21·719	62747	11	13·445	23·031
62526	10	9·640	15·550	62600	13	9·325	18·115	62674	24	1·328	21·706	62748	10	13·699	23·669
62527	22	9·699	15·961	62601	10	10·527	18·304	62675	23	1·574	21·431	62749	11	14·232	23·233
62528	21	11·126	15·598	62602	12	11·711	18·923	62676*	43	4·637	21·235	62750	22	15·335	23·943
62529	11	11·267	15·033	62603	12	12·706	18·495	62677	23	4·892	21·276	62751	13	15·865	23·402
62530*	56	11·849	15·774	62604*	34	13·193	18·790	62678	11	5·497	21·548	62752	22	16·865	23·332
62531	22	12·154	15·128	62605	11	14·127	18·265	62679	22	5·774	21·751	62753	10	17·160	23·024
62532	22	13·455	15·930	62606	11	14·512	18·132	62680	10	7·122	21·627	62754	13	17·570	23·907
62533	10	14·231	15·073	62607	13	16·043	18·332	62681	10	8·985	21·842	62755	21	17·755	23·691
62534	18	15·100	15·754	62608	10	20·506	18·540	62682	20	10·149	21·796	62756	14	18·361	23·695
62535	10	15·303	15·792	62609	11	21·073	18·848	62683	12	10·970	21·935	62757	10	19·105	23·783
62536	9	17·142	15·057	62610	10	21·878	18·850	62684	22	12·030	21·768	62758	10	22·020	23·791
62537	22	17·471	15·977	62611	13	23·332	18·097	62685	10	15·251	21·313	62759	11	23·985	23·625
62538	11	23·284	15·353	62612	11	25·367	18·171	62686	10	15·256	21·022	62760	13	25·666	23·306
62539	13	23·953	15·654	62613	10	0·297	19·613	62687	22	16·600	21·733	62761	22	0·850	24·729
62540	10	24·532	15·613	62614	21	0·856	19·245	62688	11	16·705	21·648	62762	17	1·889	24·921
62541	19	0·033	16·982	62615	10	1·101	19·332	62689	19	16·845	21·956	62763*	37	5·356	24·491
62542	15	0·507	16·569	62616	22	1·705	19·881	62690	11	17·336	21·813	62764	15	5·985	24·317
62543	22	2·550	16·332	62617	15	3·055	19·975	62691	10	18·594	21·504	62765	10	6·359	24·404
62544	11	3·051	16·086	62618	21	3·545	19·817	62692	28	19·383	21·860	62766	18	6·731	24·825
62545	10	3·218	16·463	62619	10	4·386	19·068	62693	10	21·837	21·694	62767*	30	6·750	24·630
62546	23	3·983	16·714	62620	12	5·040	19·783	62694	11	21·851	21·458	62768	10	7·435	24·587
62547	22	4·561	16·790	62621	22	5·609	19·673	62695	13	22·951	21·617	62769	11	8·205	24·765
62548	12	4·967	16·091	62622	22	6·734	19·252	62696	10	24·211	21·025	62770	11	9·805	24·521
62549	21	5·534	16·771	62623	13	8·040	19·148	62697	23	25·289	21·418	62771	27	10·614	24·349
62550	20	5·749	16·526	62624	11	8·263	19·649	62698	22	2·045	22·309	62772	10	10·911	24·472
62551	12	7·586	16·599	62625	10	9·146	19·886	62699	18	2·261	22·388	62773*	27	11·345	24·942
62552	12	9·525	16·992	62626	11	9·420	19·514	62700	22	2·873	22·173	62774	10	11·471	24·274
62553	22	10·139	16·345	62627	11	11·516	19·305	62701	21	2·961	22·030	62775	10	12·104	24·958
62554	11	12·291	16·584	62628	6	12·084	19·085	62702	19	3·215	22·823	62776	10	12·137	24·389
62555*	38	12·712	16·840	62629	10	12·141	19·598	62703	22	4·251	22·019	62777	24	13·980	24·126
62556	18	14·333	16·051	62630	9	12·923	19·622	62704*	35	4·279	22·140	62778	12	14·511	24·909
62557	10	16·415	16·632	62631	14	13·010	19·445	62705	11	5·578	22·392	62779	10	15·086	24·310
62558	12	18·832	16·562	62632	10	13·314	19·661	62706	11	8·394	22·950	62780	9	15·399	24·427
62559	10	20·549	16·845	62633	23	13·335	19·021	62707	31	9·296	22·309	62781	21	16·851	24·521
62560	13	21·698	16·342	62634	9	14·035	19·228	62708	10	11·080	22·378	62782	13	17·214	24·442
62561	10	22·244	16·981	62635	11	14·129	19·163	62709	12	11·426	22·986	62783	10	17·368	24·791
62562	12	23·578	16·111	62636	10	16·080	19·487	62710*	37	12·651	22·863	62784	10	18·375	24·785
62563	13	23·808	16·644	62637	7	16·177	19·496	62711	22	13·521	22·790	62785	11	18·909	24·849
62564	12	23·895	16·564	62638	10	16·840	19·086	62712	32	13·920	22·347	62786	10	20·708	24·804
62565	10	1·234	17·797	62639	32	17·580	19·113	62713	11	14·862	22·103	62787*	42	22·546	24·160
62566	10	1·580	17·642	62640	13	18·810	19·610	62714	10	15·017	22·794	62788	12	23·648	24·580
62567	13	2·107	17·056	62641	10	21·440	19·721	62715	10	15·195	22·060	62789	20	25·571	24·006
62568	19	3·001	17·442	62642	10	21·927	19·481	62716	9	15·230	22·810	62790	17	25·890	24·801
62569	11	3·277	17·567	62643	9	22·238	19·036	62717	10	15·494	22·965	62791	29	1·761	25·353
62570	20	4·144	17·503	62644	10	22·466	19·863	62718	10	16·350	22·850	62792	14	2·366	25·260
62571	22	4·438	17·703	62645*	35	23·268	19·945	62719	22	16·558	22·356	62793	14	5·054	25·926
62572*	27	7·538	17·805	62646	10	23·897	19·713	62720*	30	17·101	22·082	62794	18	6·037	25·432
62573	12	8·836	17·619	62647	9	24·934	19·591	62721	9	18·141	22·102	62795	31	6·119	25·400
62574	13	9·374	17·962	62648	20	1·750	20·933	62722	11	18·373	22·279	62796	9	6·389	25·684
62575	12	10·971	17·005	62649	10	3·600	20·151	62723	23	18·510	22·657	62797	10	7·217	25·852
62576	10	11·427	17·373	62650	15	7·510	20·674	62724	18	18·627	22·160	62798	13	7·919	25·970
62577	11	12·108	17·856	62651	23	9·457	20·358	62725	11	18·951	22·701	62799	32	8·324	25·701

62800	18	8·886	26·000
62801	13	9·066	25·387
62802	12	9·618	25·975
62803	20	9·745	25·755
62804	11	10·104	25·234
62805	10	10·442	25·630
62806*	23	10·821	25·477
62807	12	11·403	25·087
62808	20	11·930	25·595
62809	22	12·036	25·374
62810	11	13·934	25·271
62811	12	14·092	25·654
62812	45	15·116	25·939
62813	11	15·153	25·074
62814	15	15·864	25·147
62815	13	16·522	25·376
62816	13	16·990	25·430
62817	21	20·564	25·377
62818	30	23·916	25·783
62819	21	25·559	25·504

R. A. 21h 4m

Plate 2019; 1902 Sept. 8.

Provisional Constants.

A	B	C
−·00035	+·00548	−1·3867

D	E	F
−·00519	−·00053	−·0167

Mag. = 17·0 − 1·36 √*d*

No.	*d*	*x*	*y*
62901	42	0·330	0·932
62902	29	2·646	0·042
62903	13	4·797	0·575
62904	17	5·088	0·805
62905	13	9·682	0·505
62906*	33	10·187	0·552
62907	15	10·335	0·61
62908	10	10·416	0·314
62909	9	10·696	0·578
62910	12	11·486	0·006
62911	24	11·950	0·228
62912*	43	14·025	0·556
62913	8	14·770	0·92
62914	11	16·549	0·264
62915	13	17·514	0·282
62916	8	17·911	0·906
62917	15	18·934	0·142
62918	22	20·083	0·42
62919	14	22·116	0·036
62920	11	22·755	0·686
62921	25	3·625	1·619
62922	16	3·634	1·182
62923	26	4·372	1·23
62924	12	5·591	1·00
62925	16	5·601	1·136
62926*	30	5·884	1·697
62927*	32	8·014	1·496
62928	14	8·848	1·384
62929	14	9·288	1·092
62930	8	10·896	1·96
62931	10	11·144	1·825

62932*	37	14·431	1·726	63006	13	25·827	3·524	63080*	41	2·525	7·235	63154	18	20·936	9·916	63228	9	3·209	13·042
62933	10	14·728	1·199	63007	12	25·855	3·378	63081	18	3·020	7·286	63155	9	23·780	9·593	63229	8	3·224	13·341
62934	11	15·396	1·231	63008	17	0·550	4·183	63082	12	3·980	7·055	63156	19	24·443	9·612	63230	13	4·534	13·357
62935	8	15·940	1·974	63009	15	2·690	4·516	63083	12	5·389	7·320	63157	15	25·241	9·480	63231	17	6·268	13·266
62936	18	16·062	1·862	63010	10	4·567	4·931	63084	11	8·153	7·090	63158	13	25·300	9·051	63232	12	6·886	13·217
62937	29	16·374	1·331	63011	10	4·806	4·805	63085	14	8·570	7·191	63159	21	0·134	10·906	63233	14	7·620	13·100
62938	16	17·007	1·411	63012	11	7·088	4·777	63086	14	9·839	7·679	63160	12	2·070	10·909	63234	10	8·510	13·161
62939	8	17·085	1·681	63013	21	7·635	4·518	63087	9	10·295	7·842	63161	18	2·084	10·118	63235	16	11·170	13·424
62940	12	17·107	1·741	63014	13	7·676	4·644	63088	12	10·538	7·586	63162*	40	2·516	10·757	63236	27	11·429	13·438
62941	17	19·550	1·209	63015	10	7·897	4·835	63089	14	14·558	7·784	63163	12	4·280	10·016	63237*	28	11·506	13·126
62942	10	19·774	1·865	63016	10	8·708	4·800	63090	10	18·915	7·232	63164	12	4·301	10·162	63238	14	11·605	13·042
62943	14	23·222	1·400	63017*	39	9·684	4·062	63091	12	19·125	7·732	63165	18	4·549	10·978	63239	16	11·929	13·015
62944	16	25·129	1·106	63018	17	9·974	4·140	63092	11	19·937	7·078	63166	11	6·330	10·855	63240	15	12·666	13·632
62945	15	25·636	1·886	63019*	22	10·251	4·210	63093	9	20·131	7·351	63167	16	6·421	10·385	63241	28	15·236	13·640
62946*	43	0·035	2·144	63020	18	11·892	4·055	63094	12	20·262	7·914	63168*	62	7·310	10·347	63242	23	15·914	13·164
62947	27	1·940	2·892	63021	17	12·945	4·874	63095*	37	20·800	7·575	63169	10	8·779	10·386	63243	18	16·664	13·036
62948	25	2·624	2·047	63022	14	15·279	4·347	63096	22	22·143	7·016	63170	14	10·690	10·223	63244	15	18·718	13·017
62949	14	3·125	2·778	63023	10	16·205	4·274	63097	9	22·676	7·746	63171	32	13·066	10·132	63245	15	19·782	13·833
62950	14	4·557	2·825	63024	13	17·499	4·990	63098	12	24·714	7·881	63172	8	13·384	10·148	63246	16	20·879	13·970
62951*	26	4·899	2·046	63025	19	17·748	4·076	63099	9	25·209	7·391	63173	19	13·862	10·670	63247	14	21·620	13·354
62952	23	5·071	2·378	63026	20	19·965	4·707	63100	40	25·588	7·304	63174	14	14·935	10·795	63248	14	24·102	13·616
62953	10	6·860	2·347	63027*	22	20·642	4·626	63101	13	4·027	8·519	63175	14	17·739	10·090	63249	10	24·226	13·017
62954	10	7·213	2·203	63028	9	22·022	4·422	63102	8	5·077	8·506	63176	13	20·070	10·517	63250	29	24·251	13·414
62955	15	7·464	2·599	63029	8	22·122	4·650	63103	20	5·785	8·202	63177	11	21·306	10·449	63251	9	25·066	13·778
62956	14	8·082	2·873	63030	9	23·570	4·760	63104	12	7·689	8·472	63178	8	21·871	10·601	63252*	54	0·370	14·011
62957	9	8·195	2·125	63031	22	23·816	4·243	63105*	37	9·848	8·636	63179	12	24·388	10·985	63253	15	2·514	14·610
62958	22	8·325	2·160	63032	19	24·588	4·868	63106	8	9·977	8·795	63180	12	24·489	10·125	63254	22	2·818	14·204
62959	12	9·320	2·355	63033	24	0·082	5·050	63107	14	10·189	8·594	63181	14	25·863	10·495	63255	10	4·654	14·350
62960	9	9·782	2·740	63034	34	0·369	5·227	63108	18	10·487	8·730	63182	12	1·254	11·678	63256*	40	5·372	14·956
62961	18	13·702	2·854	63035	10	4·055	5·357	63109	12	10·832	8·060	63183	14	1·335	11·133	63257	14	5·600	14·565
62962*	21	16·023	2·547	63036	31	4·283	5·711	63110	21	11·624	8·078	63184	17	1·346	11·565	63258	14	6·006	14·228
62963	14	16·470	2·754	63037	14	4·633	5·271	63111	14	11·864	8·694	63185	16	2·312	11·373	63259	12	7·472	14·738
62964	8	17·668	2·220	63038	12	4·789	5·060	63112	15	12·356	8·646	63186	10	2·706	11·247	63260	9	7·676	14·496
62965	10	17·974	2·524	63039*	41	5·282	5·682	63113	18	13·322	8·370	63187	8	2·918	11·494	63261	16	8·251	14·724
62966*	41	18·492	2·856	63040	21	6·296	5·755	63114	16	13·329	8·377	63188	10	4·328	11·780	63262	9	8·396	14·740
62967	9	18·950	2·235	63041	11	7·762	5·712	63115	13	15·850	8·230	63189	14	6·814	11·588	63263	22	9·366	14·650
62968	8	19·349	2·755	63042	11	8·760	5·140	63116	24	15·879	8·220	63190	12	8·194	11·695	63264*	31	9·491	14·628
62969	12	19·892	2·719	63043	16	8·900	5·026	63117	14	15·900	8·291	63191	23	8·499	11·540	63265	17	11·985	14·554
62970	16	20·064	2·552	63044	11	9·051	5·961	63118	15	16·109	8·135	63192	14	9·419	11·849	63266	20	14·322	14·250
62971	10	20·070	2·542	63045	8	9·295	5·774	63119	17	16·627	8·329	63193	15	9·580	11·789	63267*	40	14·519	14·155
62972	10	22·443	2·942	63046	30	10·345	5·471	63120	15	17·315	8·345	63194	16	10·914	11·170	63268	14	15·416	14·057
62973*	25	22·865	2·135	63047	12	11·764	5·328	63121	15	18·731	8·734	63195	22	11·613	11·035	63269	15	17·126	14·577
62974*	31	23·426	2·930	63048	26	12·344	5·979	63122*	23	19·880	8·872	63196	16	13·163	11·640	63270	14	19·355	14·107
62975	9	23·470	2·802	63049	15	16·295	5·178	63123	30	20·544	8·220	63197	20	18·620	11·225	63271	12	20·955	14·172
62976	12	24·655	2·773	63050	14	18·406	5·846	63124	10	21·226	8·091	63198*	34	18·738	11·940	63272	8	22·570	14·416
62977	11	25·431	2·231	63051	8	18·468	5·578	63125	16	22·155	8·153	63199	7	22·409	11·515	63273	12	23·006	14·388
62978	23	3·264	3·747	63052	9	21·202	5·028	63126	9	22·210	8·521	63200	13	22·785	11·058	63274	10	24·013	14·455
62979	11	3·554	3·777	63053	12	23·279	5·729	63127	8	22·220	8·742	63201	9	23·732	11·017	63275	13	25·764	14·792
62980	23	3·645	3·555	63054	14	23·576	5·385	63128	29	23·447	8·127	63202	19	24·937	11·254	63276	14	25·866	14·785
62981	19	4·286	3·280	63055*	41	23·870	5·653	63129	17	23·679	8·985	63203	17	25·025	11·185	63277	21	0·228	15·925
62982	15	5·240	3·007	63056	12	24·364	5·185	63130*	40	1·587	9·507	63204	17	1·849	12·628	63278	19	0·571	15·304
62983*	13	5·907	3·278	63057	10	24·471	5·272	63131	22	2·379	9·489	63205	13	3·111	12·327	63279	32	2·699	15·775
62984	13	6·189	3·280	63058	22	0·126	6·302	63132	12	2·464	9·048	63206	16	4·248	12·806	63280	16	2·986	15·081
62985	15	8·451	3·675	63059	13	1·619	6·766	63133	17	2·955	9·220	63207	11	5·010	12·994	63281	17	4·291	15·350
62986*	50	8·830	3·264	63060	15	2·094	6·624	63134	24	4·144	9·652	63208	9	6·921	12·987	63282	27	6·986	15·573
62987	15	9·445	3·882	63061	12	3·997	6·789	63135	11	4·274	9·366	63209	8	7·048	12·051	63283	10	7·338	15·802
62988	22	9·521	3·666	63062	13	4·303	6·750	63136	10	4·490	9·614	63210	14	10·013	12·935	63284	8	7·604	15·480
62989	16	9·525	3·633	63063	15	6·321	6·194	63137	11	4·843	9·601	63211	22	10·082	12·249	63285	10	7·959	15·170
62990	10	10·936	3·885	63064	11	7·438	6·144	63138	10	5·031	9·852	63212	16	10·957	12·716	63286	13	8·007	15·145
62991	10	11·680	3·236	63065	22	7·988	6·052	63139	11	5·122	9·010	63213	32	12·810	12·294	63287	14	11·982	15·226
62992	11	12·034	3·092	63066	13	8·364	6·958	63140*	30	6·088	9·876	63214	24	13·560	12·349	63288	16	12·487	15·025
62993	8	12·375	3·550	63067	12	8·490	6·484	63141	12	7·856	9·050	63215	20	17·711	12·745	63289	27	13·642	15·921
62994	9	15·319	3·219	63068*	30	8·950	6·625	63142	17	8·433	9·244	63216	21	17·936	12·572	63290	19	15·808	15·150
62995	7	17·256	3·692	63069	11	14·154	6·475	63143	9	8·621	9·782	63217	13	20·064	12·304	63291	13	17·214	15·593
62996	26	17·680	3·748	63070	16	19·249	6·330	63144	16	8·714	9·254	63218	15	20·098	12·235	63292	18	17·865	15·186
62997	11	18·231	3·132	63071*	32	19·500	6·772	63145	33	9·448	9·770	63219	31	20·259	12·090	63293	13	18·015	15·429
62998	10	18·367	3·412	63072*	32	22·360	6·739	63146	32	9·545	9·788	63220	10	20·741	12·091	63294	23	18·211	15·870
62999	17	18·387	3·660	63073	7	23·287	6·049	63147	15	9·574	9·417	63221	16	22·954	12·528	63295	8	20·823	15·416
63000	8	19·920	3·430	63074	7	23·584	6·109	63148	20	9·900	9·248	63222	23	23·110	12·974	63296	24	21·785	15·566
63001*	51	21·226	3·406	63075	22	23·978	6·840	63149	12	14·032	9·448	63223	10	23·840	12·077	63297	13	24·427	15·598
63002	9	22·602	3·873	63076	21	24·836	6·590	63150*	29	16·161	9·540	63224	8	24·808	12·867	63298	16	24·649	15·579
63003	15	22·995	3·597	63077	28	25·520	6·535	63151*	24	17·490	9·422	63225	40	0·386	13·293	63299	10	24·914	15·390
63004	22	23·837	3·077	63078	25	25·850	6·484	63152	10	20·236	9·159	63226	19	1·250	13·224	63300	12	25·100	15·463
63005	17	23·915	3·537	63079	32	0·171	7·107	63153	26	20·817	9·070	63227	9	2·466	13·756	63301	14	0·689	16·162

63302*	48	1·955	16·290
63303	15	2·390	16·660
63304	10	5·309	16·271
63305	10	6·084	16·140
63306	19	7·715	16·501
63307	12	9·260	16·019
63308	9	9·411	16·806
63309	12	13·213	16·395
63310	22	13·724	16·815
63311	21	15·788	16·735
63312	14	16·897	16·000
63313	10	18·975	16·462
63314	17	19·648	16·568
63315	11	20·299	16·830
63316	11	20·330	16·449
63317	13	20·515	16·600
63318	10	22·588	16·205
63319	18	25·165	16·132
63320	19	0·027	17·789
63321	20	2·644	17·435
63322*	40	3·655	17·853
63323	12	4·071	17·694
63324	22	5·919	17·636
63325	20	6·509	17·254
63326	10	8·245	17·241
63327*	28	12·323	17·462
63328	10	13·424	17·688
63329	14	13·615	17·730
63330	22	16·609	17·430
63331	14	17·629	17·316
63332	10	18·271	17·976
63333	11	20·636	17·271
63334	13	22·771	17·946
63335	13	24·810	17·949
63336	21	1·127	18·460
63337	16	1·780	18·314
63338	9	2·205	18·899
63339	32	3·570	18·677
63340	10	4·925	18·296
63341	23	5·052	18·115
63342	8	5·300	18·311
63343	14	6·700	18·695
63344	28	9·921	18·855
63345	10	10·120	18·449
63346	20	11·096	18·926
63347	13	11·374	18·860
63348	19	11·420	18·929
63349	10	11·667	18·726
63350	18	12·059	18·178
63351	9	12·491	18·391
63352	12	13·107	18·930
63353	32	14·785	18·192
63354	22	15·822	18·807
63355	16	16·206	18·530
63356	21	16·574	18·962
63357	20	16·582	18·140
63358	10	16·884	18·104
63359	20	16·916	18·137
63360	10	17·124	18·457
63361	10	18·599	18·150
63362	15	19·367	18·864
63363	13	19·509	18·763
63364	15	19·956	18·910
63365	13	20·511	18·000
63366	9	20·515	18·152
63367	12	21·268	18·168
63368	10	22·175	18·938
63369	22	23·186	18·465
63370	9	23·330	18·673
63371	9	24·334	18·394
63372	10	25·644	18·750
63373	17	0·730	19·891
63374	23	4·884	19·621
63375	10	5·934	19·326

63376	21	6·350	19·754
63377	19	7·823	19·068
63378	9	11·107	19·778
63379	25	12·550	19·278
63380	24	14·240	19·430
63381	29	14·775	19·630
63382	12	18·246	19·213
63383	15	19·134	19·263
63384	16	20·096	19·888
63385	9	21·322	19·701
63386	13	22·257	19·000
63387	8	22·399	19·227
63388	9	23·550	19·316
63389	14	24·173	19·566
63390	12	1·500	20·717
63391*	50	1·961	20·524
63392	22	3·895	20·481
63393	28	4·118	20·755
63394	12	4·975	20·314
63395	11	5·429	20·055
63396	10	5·558	20·094
63397	11	5·858	20·991
63398	22	6·070	20·788
63399	13	6·113	20·600
63400	12	6·564	20·754
63401	18	8·873	20·961
63402	10	9·258	20·528
63403	8	9·468	20·162
63404	14	10·666	20·871
63405	11	14·081	20·028
63406	30	14·322	20·520
63407	10	14·716	20·145
63408	10	14·871	20·804
63409	11	15·639	20·975
63410	10	18·522	20·216
63411	22	20·323	20·665
63412	12	20·616	20·292
63413	10	20·818	20·610
63414	20	20·944	20·129
63415	11	21·067	20·384
63416	9	21·505	20·310
63417*	40	22·774	20·340
63418	11	23·430	20·750
63419	8	23·915	20·776
63420	10	24·638	20·248
63421	9	25·647	20·757
63422	11	25·940	20·665
63423	19	0·042	21·344
63424	40	1·134	21·707
63425	22	1·459	21·240
63426	12	1·994	21·153
63427	31	2·479	21·214
63428	13	4·576	21·144
63429	21	5·667	21·422
63430	10	6·716	21·924
63431	20	7·110	21·920
63432	8	7·575	21·774
63433	14	7·926	21·376
63434	10	9·414	21·086
63435	8	10·355	21·879
63436	11	10·424	21·585
63437*	32	10·429	21·314
63438*	40	10·943	21·394
63439*	36	11·758	21·555
63440	14	13·424	21·655
63441	8	13·875	21·149
63442	9	14·390	21·516
63443	28	14·929	21·175
63444	9	16·076	21·030
63445	10	17·879	21·169
63446	11	19·355	21·602
63447	10	21·237	21·195
63448	7	21·512	21·478
63449	22	21·646	21·818

63450	18	22·844	21·905
63451	10	23·546	21·896
63452	20	24·461	21·278
63453	13	24·699	21·100
63454	17	24·900	21·910
63455	16	25·164	21·820
63456	14	4·176	22·322
63457	32	5·300	22·159
63458	10	5·688	22·363
63459	13	6·122	22·321
63460	10	8·760	22·930
63461	18	9·536	22·344
63462	10	10·740	22·957
63463	12	12·755	22·280
63464	13	13·636	22·001
63465	8	14·840	22·334
63466	8	15·909	22·574
63467*	48	16·475	22·482
63468*	29	16·856	22·563
63469	24	18·030	22·296
63470	8	18·544	22·023
63471	12	19·486	22·720
63472	22	20·941	22·190
63473	13	21·020	22·191
63474	10	21·955	22·017
63475	15	22·636	22·675
63476	9	22·687	22·950
63477	12	24·635	22·464
63478	21	1·559	23·585
63479	31	3·371	23·312
63480	21	3·955	23·170
63481	14	4·818	23·726
63482	31	5·565	23·155
63483	21	5·621	23·186
63484	12	7·166	23·227
63485	13	7·814	23·369
63486	8	7·855	23·930
63487	15	8·166	23·760
63488	8	8·169	23·480
63489	22	8·520	23·650
63490	14	10·885	23·126
63491	18	11·235	23·344
63492	16	12·405	23·819
63493	16	12·577	23·292
63494	17	12·848	23·526
63495	19	13·198	23·076
63496	13	14·003	23·164
63497	8	14·785	23·753
63498	28	15·771	23·258
63499	8	16·557	23·135
63500	10	16·794	23·593
63501	12	17·178	23·160
63502*	30	17·535	23·096
63503	15	17·575	23·160
63504	20	18·075	23·315
63505	12	19·169	23·351
63506	14	19·199	23·215
63507	10	19·370	23·355
63508	8	20·680	23·985
63509	11	20·947	23·294
63510	18	21·259	23·181
63511	19	21·312	23·164
63512	12	22·139	23·935
63513	24	22·756	23·460
63514	11	22·809	23·395
63515	15	23·209	23·694
63516	30	23·439	23·734
63517	33	24·485	23·036
63518	15	25·632	23·740
63519	32	1·481	24·285
63520	18	2·717	24·586
63521	18	3·260	24·116
63522	40	4·791	24·812
63523	10	7·924	24·846

63524	10	9·206	24·790
63525	10	11·871	24·866
63526	19	12·314	24·176
63527	8	17·239	24·038
63528	9	17·373	24·822
63529	18	17·860	24·494
63530	10	18·844	24·615
63531	16	18·893	24·746
63532	7	19·134	24·486
63533	10	20·335	24·600
63534	11	22·407	24·370
63535	14	23·603	24·246
63536	24	24·252	24·272
63537	10	24·350	24·791
63538	14	24·725	24·909
63539	36	1·505	25·785
63540	24	1·821	25·071
63541	33	3·264	25·440
63542	34	4·106	25·300
63543	14	5·083	25·100
63544	35	5·673	25·659
63545	29	7·430	25·621
63546*	32	7·462	25·578
63547	14	9·661	25·094
63548	10	9·668	25·780
63549	22	9·802	25·441
63550	21	11·540	25·341
63551	12	11·666	25·481
63552	14	12·591	25·824
63553	11	13·046	25·488
63554	10	13·104	25·450
63555*	31	13·170	25·250
63556	21	15·624	25·927
63557*	32	16·280	25·868
63558	22	16·758	25·945
63559	21	17·530	25·096
63560	20	18·182	25·953
63561	24	21·164	25·495
63562	12	24·408	25·572
63563	17	25·074	25·028

R. A. 21h 13m

Plate 2013; 1902 Aug. 27.

Provisional Constants.

A	B	C
−·00054	+·00123	−·2765
D	**E**	**F**
−·00100	−·00075	−·3626

Mag. = 15·9 − 1·36 √*d*

No.	*d*	*x*	*y*
63601	12	2·858	0·850
63602	7	5·888	0·191
63603	8	8·641	0·252
63604	13	11·762	0·616
63605	9	12·691	0·941
63606	13	13·425	0·211
63607	10	16·380	0·348
63608	21	17·075	0·795
63609	12	17·951	0·220
63610*	21	18·423	0·510
63611	14	25·093	0·434

63612*	34	0·613	1·915
63613	15	0·957	1·172
63614	17	4·466	1·255
63615	7	5·483	1·493
63616	8	5·651	1·920
63617	10	6·580	1·225
63618	14	7·214	1·046
63619	10	9·775	1·417
63620	10	10·210	1·348
63621	9	14·769	1·870
63622	18	15·010	1·895
63623	14	15·190	1·734
63624	8	15·257	1·201
63625	10	15·810	1·000
63626	9	21·713	1·448
63627*	32	1·185	2·700
63628	21	1·599	2·841
63629	8	8·804	2·890
63630	8	12·148	2·201
63631*	40	15·095	2·648
63632	14	15·480	2·170
63633*	21	18·691	2·565
63634	10	18·959	2·547
63635	12	21·180	2·857
63636	10	22·175	2·846
63637	8	22·588	2·993
63638	11	23·125	2·495
63639	9	24·116	2·792
63640	20	0·763	3·375
63641	22	1·685	3·298
63642	12	4·424	3·122
63643*	31	5·200	3·379
63644	8	6·340	3·285
63645	9	8·240	3·183
63646	12	9·387	3·995
63647	14	12·290	3·713
63648*	32	12·600	3·919
63649	20	13·439	3·544
63650	10	14·329	3·463
63651	8	15·339	3·961
63652	10	15·375	3·191
63653	8	16·639	3·622
63654	9	18·505	3·489
63655*	13	18·827	3·750
63656	8	20·456	3·761
63657	8	21·733	3·390
63658	9	23·596	3·764
63659	10	24·161	3·441
63660*	11	25·359	3·645
63661	21	1·596	4·007
63662	11	2·159	4·942
63663	13	2·376	4·623
63664	15	4·719	4·330
63665	10	4·889	4·156
63666	12	6·274	4·497
63667	8	7·362	4·508
63668	11	8·436	4·875
63669	10	9·444	4·246
63670	8	10·319	4·850
63671	12	12·938	4·930
63672	8	13·720	4·129
63673	10	15·462	4·731
63674	9	19·716	4·466
63675	10	23·003	4·390
63676*	22	24·399	4·967
63677	18	1·376	5·150
63678*	51	1·674	5·416
63679	12	5·868	5·362
63680	16	7·904	5·910
63681	10	8·207	5·765
63682	10	9·865	5·310
63683	19	9·871	5·727
63684	10	13·254	5·030
63685*	40	14·650	5·445

63686	14	14·779	5·150	63760	15	17·429	9·620	63834	9	3·813	14·514	63908	14	21·569	18·054	63982	12	6·080	22·126
63687	12	14·866	5·716	63761*	20	19·192	9·586	63835	10	3·993	14·770	63909	8	22·061	18·160	63983	12	6·245	22·025
63688	8	17·944	5·673	63762	11	20·307	9·802	63836*	22	4·318	14·359	63910	13	22·408	18·165	63984	11	6·496	22·793
63689	11	18·059	5·550	63763	9	22·705	9·601	63837	14	5·490	14·289	63911	8	25·343	18·743	63985	10	6·572	22·740
63690	9	19·489	5·075	63764	8	23·965	9·356	63838	7	6·368	14·582	63912	15	2·198	19·322	63986	10	6·964	22·945
63691	11	19·706	5·322	63765	9	25·445	9·842	63839	9	7·742	14·245	63913	12	4·294	19·542	63987	8	8·179	22·406
63692	8	20·075	5·211	63766	15	0·674	10·839	63840	11	8·066	14·270	63914*	23	4·865	19·477	63988	9	10·021	22·624
63693	9	21·148	5·765	63767	10	2·277	10·741	63841	11	11·657	14·540	63915	8	6·206	19·070	63989	16	10·239	22·617
63694	8	21·952	5·314	63768	12	2·915	10·930	63842	16	24·960	14·046	63916*	13	6·251	19·706	63990	22	10·610	22·180
63695	9	23·685	5·937	63769	9	3·740	10·228	63843	10	25·441	14·370	63917	8	6·528	19·645	63991	11	10·680	22·941
63696*	40	0·181	6·525	63770	8	4·030	10·307	63844	13	2·386	15·350	63918	7	7·166	19·088	63992	10	11·348	22·606
63697	20	1·800	6·604	63771	9	4·280	10·989	63845	14	2·610	15·327	63919	8	7·801	19·370	63993	12	12·897	22·563
63698	17	2·654	6·339	63772	9	5·015	10·450	63846	12	3·060	15·205	63920	9	9·752	19·157	63994	12	14·946	22·690
63699	20	3·337	6·273	63773*	18	6·081	10·380	63847	10	3·136	15·874	63921	8	10·185	19·271	63995	9	16·468	22·154
63700	18	3·665	6·214	63774	10	6·478	10·565	63848	12	10·356	15·985	63922	21	10·459	19·006	63996	11	17·749	22·148
63701	14	4·639	6·445	63775	10	7·395	10·430	63849	9	10·803	15·048	63923	6	11·590	19·915	63997	10	18·075	22·207
63702	9	5·601	6·104	63776	10	8·048	10·091	63850	7	12·339	15·122	63924	9	12·076	19·010	63998	9	18·676	22·805
63703	9	6·578	6·875	63777	12	8·150	10·375	63851	15	13·235	15·485	63925*	20	13·449	19·201	63999	10	20·820	22·721
63704	8	6·746	6·753	63778	12	8·355	10·401	63852	17	14·861	15·725	63926	8	14·096	19·940	64000	9	22·350	22·142
63705	10	13·773	6·325	63779	13	9·951	10·589	63853	10	20·355	15·660	63927	20	17·214	19·753	64001	11	23·673	22·168
63706	21	13·855	6·855	63780	13	10·069	10·487	63854	8	20·870	15·085	63928	12	19·385	19·040	64002	35	0·843	23·236
63707	9	20·364	6·965	63781	16	11·735	10·687	63855	9	21·035	15·699	63929	10	21·522	19·141	64003	37	1·529	23·501
63708	10	20·412	6·248	63782	16	12·507	10·563	63856	14	21·765	15·759	63930	12	23·528	19·594	64004	14	5·169	23·231
63709	20	20·669	6·265	63783	22	13·519	10·343	63857	8	23·550	15·666	63931*	58	0·812	20·117	64005	9	6·396	23·065
63710	19	21·425	6·913	63784	13	14·213	10·898	63858	10	25·445	15·901	63932	12	2·748	20·849	64006	12	7·345	23·975
63711	10	22·802	6·513	63785	10	17·690	10·433	63859	14	25·695	15·361	63933	10	4·154	20·085	64007	8	8·060	23·065
63712	13	22·860	6·373	63786	19	21·060	10·365	63860	10	25·843	15·302	63934	13	5·775	20·121	64008	10	8·380	23·617
63713	20	23·829	6·010	63787	9	21·080	10·027	63861	8	5·361	16·236	63935	8	7·291	20·190	64009	10	9·774	23·004
63714	18	25·333	6·775	63788	12	21·925	10·207	63862	9	8·089	16·648	63936*	33	9·176	20·172	64010	13	9·800	23·072
63715	28	1·289	7·898	63789	8	22·889	10·987	63863	12	8·824	16·759	63937	8	9·828	20·501	64011	7	13·710	23·185
63716	11	2·555	7·631	63790	8	24·730	10·931	63864	10	8·880	16·334	63938	9	10·925	20·625	64012	8	13·963	23·916
63717*	31	3·418	7·039	63791	10	25·265	10·496	63865	8	10·066	16·573	63939	10	12·404	20·233	64013	17	16·819	23·236
63718*	41	4·795	7·225	63792	15	2·829	11·000	63866	9	10·095	16·765	63940	8	12·987	20·990	64014	9	17·237	23·556
63719	19	10·700	7·794	63793	11	6·590	11·495	63867	9	10·141	16·299	63941*	22	13·105	20·083	64015	8	18·466	23·684
63720	15	12·514	7·979	63794*	23	10·051	11·115	63868	13	10·240	16·326	63942	17	13·120	20·120	64016	7	22·285	23·611
63721	12	12·601	7·287	63795*	32	10·385	11·905	63869	15	12·405	16·505	63943	10	13·530	20·885	64017	14	24·520	23·797
63722	13	13·110	7·778	63796	17	11·959	11·035	63870	17	12·600	16·296	63944	9	14·399	20·899	64018	12	24·613	23·456
63723	20	13·316	7·815	63797	12	12·609	11·011	63871	12	16·670	16·446	63945	10	14·675	20·982	64019	32	2·351	24·026
63724	15	15·019	7·466	63798	23	14·677	11·938	63872	17	19·983	16·495	63946	8	15·679	20·411	64020*	32	4·199	24·748
63725	9	15·980	7·200	63799	12	15·059	11·610	63873	18	23·783	16·212	63947	17	16·118	20·780	64021	14	4·915	24·498
63726	10	16·048	7·425	63800*	19	21·999	11·723	63874	8	24·372	16·319	63948	12	16·755	20·265	64022	17	5·210	24·769
63727	12	16·707	7·335	63801	14	0·865	12·304	63875	18	24·891	16·574	63949	8	17·389	20·054	64023	12	7·540	24·150
63728*	16	18·611	7·116	63802	28	1·030	12·750	63876	8	25·030	16·265	63950	9	17·470	20·095	64024	13	9·310	24·549
63729	8	19·698	7·939	63803	8	2·147	12·774	63877	10	2·810	17·697	63951	8	20·415	20·242	64025	11	10·677	24·630
63730	10	24·247	7·543	63804	10	6·596	12·898	63878	15	5·200	17·261	63952	9	20·860	20·423	64026	8	11·245	24·232
63731	14	1·535	8·748	63805	12	7·920	12·150	63879	11	6·499	17·560	63953*	22	20·999	20·457	64027	10	11·958	24·777
63732	9	3·156	8·794	63806	13	8·099	12·148	63880	18	9·109	17·971	63954	14	25·119	20·525	64028	11	12·085	24·646
63733	10	7·948	8·149	63807	16	10·915	12·046	63881	10	9·866	17·145	63955	12	25·333	20·419	64029	12	13·551	24·401
63734	10	8·200	8·054	63808	14	12·053	12·901	63882	10	11·145	17·520	63956	28	0·905	21·685	64030	12	13·684	24·116
63735	12	9·520	8·495	63809	14	13·063	12·650	63883	22	11·745	17·772	63957	23	2·515	21·030	64031	20	16·059	24·976
63736*	22	9·532	8·884	63810	8	19·241	12·087	63884	13	16·070	17·072	63958	15	2·962	21·655	64032	9	16·806	24·291
63737	21	9·897	8·149	63811	9	21·172	12·565	63885	13	16·719	17·605	63959	17	3·225	21·559	64033	12	16·854	24·440
63738	13	10·515	8·931	63812	8	21·309	12·104	63886	8	21·734	17·600	63960	8	6·841	21·790	64034	8	17·118	24·537
63739	14	11·776	8·008	63813*	14	23·985	12·671	63887	13	23·191	17·902	63961	12	6·915	21·605	64035*	41	21·935	24·990
63740	14	12·036	8·258	63814	12	24·141	12·543	63888	8	23·821	17·681	63962	9	7·171	21·654	64036	10	24·194	24·005
63741	12	21·181	8·214	63815	12	24·210	12·004	63889	9	24·301	17·761	63963	13	8·640	21·099	64037	12	24·337	24·208
63742	7	23·674	8·513	63816	11	2·031	13·374	63890	13	24·791	17·221	63964	16	10·721	21·233	64038	28	24·739	24·785
63743	9	24·545	8·379	63817	26	2·180	13·170	63891	17	0·271	18·790	63965	9	10·908	21·419	64039*	30	7·899	25·441
63744	8	24·849	8·708	63818	8	4·529	13·070	63892	26	1·193	18·235	63966	12	12·190	21·188	64040	12	9·224	25·056
63745	12	25·085	8·025	63819	8	5·747	13·229	63893	11	5·066	18·455	63967*	23	12·685	21·575	64041	13	9·760	25·420
63746	8	25·386	8·401	63820	15	8·565	13·346	63894	8	6·540	18·807	63968	8	15·312	21·549	64042	12	10·444	25·537
63747	16	2·310	9·365	63821	12	9·095	13·225	63895	14	7·370	18·331	63969	18	15·418	21·041	64043	10	12·870	25·057
63748	9	2·361	9·879	63822	13	10·315	13·845	63896	15	7·721	18·003	63970*	31	15·608	21·212	64044*	23	17·226	25·067
63749	9	3·104	9·220	63823	13	11·485	13·015	63897	20	8·440	18·976	63971	12	16·287	21·442	64045	12	17·365	25·335
63750	14	6·220	9·267	63824	17	12·340	13·264	63898	8	9·740	18·834	63972	10	16·852	21·556	64046	7	18·430	25·606
63751	9	7·507	9·632	63825	20	14·301	13·385	63899*	33	13·087	18·379	63973*	33	17·216	21·729	64047	11	18·566	25·527
63752	16	8·485	9·364	63826	15	15·663	13·410	63900	9	14·848	18·980	63974	19	17·805	21·575	64048	12	18·833	25·516
63753	13	8·930	9·283	63827	15	22·412	13·515	63901	8	15·435	18·705	63975	8	17·876	21·446	64049	17	19·736	25·153
63754	15	12·580	9·563	63828	10	22·740	13·970	63902	14	15·635	18·162	63976	8	19·680	21·075	64050	12	19·840	25·584
63755	13	13·062	9·452	63829	17	25·219	13·044	63903	8	17·455	18·938	63977	8	20·510	21·639	64051	8	20·432	25·222
63756*	39	13·573	9·440	63830	18	25·789	13·107	63904	13	18·125	18·254	63978	9	21·131	21·401	64052	8	22·219	25·454
63757	15	15·054	9·903	63831	15	0·948	14·164	63905	10	18·240	18·785	63979	10	22·859	21·840	64053	14	22·916	25·854
63758	14	16·140	9·890	63832	9	1·954	14·215	63906	8	20·310	18·910	63980	21	0·710	22·456				
63759	12	16·900	9·353	63833	10	3·711	14·523	63907	9	20·853	18·627	63981	30	2·565	22·789				

R. A. 21h 22m

Plate 2014; 1902 Aug. 27.

Provisional Constants.

A	B	C
−·00044	+·00515	−·2077

D	E	F
−·00484	−·00070	−·3114

Mag. = 15·9 − 1·36√*d*

No.	d	x	y
64101	25	1·785	0·490
64102	27	3·428	0·967
64103	28	3·947	0·236
64104	21	4·156	0·409
64105	13	7·310	0·125
64106	12	7·685	0·346
64107	9	7·927	0·078
64108	10	9·434	0·025
64109	19	10·566	0·998
64110	7	11·109	0·505
64111	11	11·430	0·173
64112	12	11·765	0·708
64113	9	13·113	0·309
64114	8	13·684	0·496
64115	10	14·377	0·134
64116	8	14·915	0·770
64117	8	15·516	0·605
64118	8	18·035	0·579
64119	7	18·680	0·689
64120	11	20·367	0·115
64121	8	20·915	0·388
64122	8	21·029	0·620
64123	22	25·607	0·312
64124	17	3·221	1·255
64125	10	4·292	1·513
64126	11	4·504	1·928
64127	11	16·800	1·885
64128	8	17·381	1·219
64129	7	19·232	1·241
64130	14	21·443	1·468
64131	9	22·354	1·377
64132	8	23·086	1·469
64133*	22	23·798	1·039
64134	10	24·218	1·838
64135	14	24·985	1·385
64136	18	0·866	2·871
64137	12	1·063	2·363
64138	13	2·528	2·980
64139	16	5·735	2·069
64140	10	5·873	2·899
64141	8	5·978	2·389
64142	10	6·527	2·885
64143	8	6·869	2·638
64144	8	7·211	2·722
64145	7	7·392	2·310
64146	8	7·555	2·597
64147	8	8·014	2·471
64148	9	8·559	2·180
64149	9	9·035	2·549
64150	13	10·435	2·845
64151	8	10·892	2·147
64152*	22	10·935	2·105
64153	8	11·155	2·505
64154	8	11·595	2·831
64155*	22	12·324	2·487
64156*	24	12·769	2·176

No.	d	x	y
64157	7	12·890	2·270
64158	18	13·089	2·772
64159	8	13·792	2·150
64160	10	16·773	2·229
64161	7	17·052	2·805
64162	8	17·514	2·820
64163	9	22·135	2·286
64164	11	23·390	2·086
64165*	32	24·647	2·100
64166	22	24·805	2·593
64167	20	25·615	2·426
64168	9	25·721	2·711
64169	19	0·366	3·854
64170	16	0·926	3·516
64171*	22	2·129	3·694
64172	15	3·065	3·846
64173*	40	3·472	3·847
64174*	22	3·798	3·917
64175	13	4·886	3·503
64176	10	5·253	3·942
64177	8	6·287	3·102
64178*	19	6·431	3·535
64179	12	7·526	3·579
64180	10	7·885	3·135
64181	12	8·658	3·830
64182	9	8·917	3·410
64183	7	9·339	3·239
64184*	17	10·345	3·820
64185	9	10·479	3·327
64186	9	10·976	3·515
64187	8	11·048	3·825
64188*	28	11·419	3·602
64189	7	11·892	3·877
64190	7	13·975	3·392
64191*	20	14·485	3·063
64192	9	15·253	3·862
64193	10	16·770	3·921
64194	9	17·395	3·919
64195*	14	19·109	3·395
64196	9	19·517	3·702
64197	8	21·745	3·905
64198	8	21·987	3·517
64199	7	22·575	3·339
64200	6	22·857	3·940
64201	11	23·200	3·286
64202*	19	23·830	3·335
64203	7	24·347	3·516
64204	9	24·381	3·248
64205	12	3·573	4·374
64206*	21	3·782	4·805
64207	14	5·422	4·552
64208*	12	7·986	4·592
64209	9	8·066	4·635
64210	8	8·468	4·376
64211	10	9·156	4·230
64212	9	10·474	4·190
64213	9	11·871	4·973
64214	11	11·885	4·395
64215	9	12·499	4·095
64216	15	12·975	4·403
64217	8	13·471	4·197
64218	12	13·645	4·119
64219	12	15·376	4·980
64220	12	15·817	4·995
64221	8	16·330	4·501
64222	8	16·685	4·213
64223	9	19·410	4·780
64224	7	19·446	4·428
64225*	22	20·540	4·944
64226*	31	21·340	4·102
64227	11	23·253	4·164
64228	8	24·156	4·799
64229	8	24·707	4·885
64230	7	24·805	4·320

No.	d	x	y
64231*	36	1·200	5·037
64232	13	1·328	5·145
64233	14	1·797	5·473
64234	12	2·840	5·860
64235	8	4·751	5·486
64236	12	6·327	5·740
64237	6	7·115	5·268
64238	7	7·196	5·500
64239	11	8·115	5·025
64240	10	9·281	5·796
64241	9	9·651	5·860
64242	10	12·675	5·571
64243	9	12·897	5·810
64244	9	12·939	5·600
64245	24	13·250	5·910
64246	8	13·890	5·541
64247*	23	14·065	5·345
64248	10	14·624	5·439
64249	9	14·810	5·435
64250	10	14·956	5·365
64251	8	15·765	5·092
64252	10	16·789	5·396
64253	9	17·495	5·225
64254	8	19·880	5·230
64255	7	20·600	5·778
64256	8	20·645	5·491
64257	13	20·666	5·500
64258	8	21·360	5·150
64259	8	21·425	5·370
64260*	31	22·663	5·420
64261	20	25·225	5·510
64262	23	0·514	6·026
64263	30	0·656	6·095
64264	13	1·845	6·151
64265	10	2·104	6·343
64266	23	2·177	6·825
64267	9	2·590	6·183
64268	12	5·272	6·904
64269	23	5·283	6·542
64270	12	5·440	6·054
64271	14	5·701	6·869
64272	12	5·895	6·071
64273	7	6·316	6·356
64274	12	6·355	6·489
64275	8	6·007	6·650
64276	8	6·446	6·445
64277	10	7·123	6·395
64278	10	7·832	6·884
64279*	43	7·893	6·730
64280	8	8·299	6·960
64281	10	10·337	6·791
64282	9	10·340	6·595
64283	11	14·689	6·762
64284	19	14·890	6·755
64285	21	15·265	6·777
64286	10	15·640	6·480
64287	14	16·019	6·938
64288	16	16·212	6·443
64289	12	16·956	6·546
64290	8	18·688	6·553
64291	8	19·374	6·804
64292	10	19·645	6·325
64293	12	20·607	6·330
64294	13	20·941	6·332
64295	9	23·309	6·942
64296	12	23·453	6·625
64297	10	23·529	6·845
64298	11	23·655	6·002
64299	8	23·853	6·310
64300	9	24·330	6·098
64301	10	24·377	6·680
64302	9	25·110	6·709
64303	17	1·112	7·616
64304	12	3·064	7·711

No.	d	x	y
64305	11	3·900	7·029
64306	10	4·152	7·790
64307	8	4·761	7·579
64308	8	4·933	7·915
64309	9	5·816	7·229
64310	10	8·816	7·677
64311	12	9·088	7·128
64312	12	10·452	7·972
64313	9	10·989	7·179
64314	9	11·985	7·259
64315	11	13·260	7·790
64316*	19	19·515	7·588
64317	10	19·644	7·899
64318	12	19·912	7·908
64319	11	19·928	7·905
64320	10	19·955	7·626
64321	7	20·439	7·178
64322	8	21·205	7·271
64323	8	21·535	7·325
64324	7	22·576	7·653
64325	10	22·615	7·185
64326	7	23·149	7·279
64327	12	23·197	7·951
64328	8	23·663	7·487
64329	7	24·825	7·056
64330	9	25·715	7·800
64331	18	0·562	8·599
64332	18	1·429	8·445
64333	20	1·739	8·769
64334	22	1·961	8·078
64335	12	2·270	8·448
64336	9	3·751	8·335
64337*	31	5·618	8·931
64338	7	7·726	8·975
64339	9	8·087	8·260
64340	10	8·120	8·749
64341	10	8·318	8·282
64342	9	9·259	8·653
64343	15	12·740	8·141
64344	15	15·584	8·557
64345	12	16·600	8·119
64346	8	17·160	8·015
64347	18	18·363	8·675
64348	14	18·858	8·120
64349	14	20·500	8·437
64350	9	20·985	8·827
64351	11	21·271	8·630
64352	10	22·200	8·801
64353	9	22·365	8·301
64354	9	22·546	8·500
64355	7	22·706	8·079
64356	8	22·883	8·566
64357	12	24·327	8·135
64358	9	24·545	8·076
64359	14	0·870	9·435
64360	8	1·186	9·702
64361	13	2·363	9·886
64362	14	3·517	9·281
64363	8	4·923	9·721
64364	12	5·990	9·571
64365	7	6·420	9·430
64366	11	7·586	9·168
64367	8	8·320	9·472
64368*	25	9·209	9·872
64369	12	10·865	9·338
64370	14	11·420	9·190
64371	13	11·810	9·121
64372	18	14·515	9·617
64373	17	16·620	9·985
64374	10	18·572	9·316
64375	8	21·944	9·234
64376	8	23·239	9·654
64377	19	24·280	9·144
64378	7	24·571	9·297

No.	d	x	y
64379	8	24·683	9·567
64380	12	1·674	10·994
64381	12	2·200	10·546
64382	10	3·430	10·279
64383	14	3·670	10·340
64384	15	5·459	10·259
64385*	29	5·465	10·590
64386	11	6·036	10·679
64387	9	6·806	10·876
64388	8	6·819	10·205
64389	23	7·313	10·230
64390	9	8·460	10·165
64391	9	8·930	10·315
64392	8	14·349	10·751
64393	20	14·972	10·765
64394	13	15·924	10·459
64395	7	22·286	10·621
64396	16	23·657	10·247
64397	11	4·410	11·762
64398	9	4·459	11·020
64399	8	5·730	11·799
64400	9	5·769	11·949
64401	17	7·230	11·230
64402	8	9·119	11·376
64403	9	9·195	11·222
64404	8	10·305	11·827
64405	12	10·551	11·011
64406	9	10·565	11·770
64407	11	10·905	11·845
64408	14	15·380	11·717
64409	16	16·010	11·880
64410	15	16·044	11·944
64411*	28	17·149	11·811
64412	9	20·472	11·269
64413	8	24·412	11·660
64414	8	25·016	11·622
64415	16	25·288	11·805
64416*	33	0·970	12·750
64417	30	1·123	12·618
64418	29	1·179	12·080
64419	7	3·125	12·120
64420	8	3·259	12·121
64421	8	3·635	12·086
64422	14	6·485	12·687
64423	9	7·706	12·640
64424	8	8·525	12·823
64425	8	10·410	12·436
64426	7	10·420	12·740
64427	10	10·662	12·101
64428	12	11·143	12·586
64429	11	12·777	12·320
64430	12	14·140	12·810
64431	12	18·011	12·661
64432	12	18·342	12·988
64433	12	18·900	12·945
64434	12	18·955	12·393
64435	19	22·845	12·948
64436	8	25·380	12·754
64437	8	2·126	13·764
64438	24	2·214	13·094
64439	8	2·534	13·905
64440	23	2·785	13·143
64441	12	4·933	13·378
64442	8	5·530	13·973
64443	10	6·342	13·669
64444	17	6·394	13·850
64445	12	9·370	13·831
64446*	29	9·985	13·180
64447	19	10·698	13·175
64448	12	12·196	13·405
64449*	22	12·859	13·936
64450	12	13·370	13·485
64451	15	15·250	13·114
64452	14	16·004	13·480

64453	21	20·241	13·369	64527	7	10·238	16·918	64601	11	25·205	18·259	64675	10	5·238	21·629	64749	7	15·341	23·176
64454	13	21·920	13·208	64528	18	12·230	16·719	64602	12	25·210	18·545	64676	10	5·446	21·219	64750	10	16·905	23·754
64455	13	23·189	13·314	64529	9	12·312	16·760	64603	10	3·198	19·110	64677	12	6·266	21·467	64751	8	17·275	23·779
64456	11	23·245	13·975	64530	8	12·700	16·085	64604	12	3·376	19·486	64678	8	6·319	21·321	64752	8	17·385	23·620
64457	9	24·749	13·235	64531	11	13·832	16·505	64605*	37	3·461	19·115	64679	10	6·670	21·212	64753	8	17·473	23·883
64458	14	0·878	14·900	64532*	30	15·405	16·047	64606	12	3·503	19·103	64680	8	7·202	21·155	64754	7	17·619	23·608
64459	21	1·980	14·100	64533*	34	16·669	16·926	64607*	31	4·623	19·888	64681	8	7·301	21·741	64755	9	19·085	23·156
64460	8	2·090	14·595	64534	12	18·580	16·959	64608	26	4·627	19·898	64682	18	7·325	21·511	64756*	28	19·336	23·087
64461	13	2·469	14·414	64535	9	21·146	16·555	64609	8	4·775	19·671	64683	8	7·411	21·485	64757	13	19·604	23·921
64462	9	3·130	14·590	64536	10	21·809	16·208	64610	15	4·941	19·735	64684	7	9·020	21·172	64758	8	19·695	23·205
64463	11	3·169	14·740	64537	7	24·034	16·430	64611	10	6·866	19·742	64685	8	9·525	21·232	64759	10	20·336	23·205
64464	22	3·450	14·060	64538	8	24·420	16·675	64612	8	7·730	19·609	64686	8	10·443	21·281	64760	10	20·825	23·506
64465	8	3·706	14·400	64539	12	25·258	16·850	64613	7	7·765	19·630	64687*	28	10·690	21·561	64761	8	21·745	23·425
64466	10	4·597	14·368	64540	21	25·455	16·740	64614	7	8·123	19·912	64688	10	11·484	21·510	64762	15	22·799	23·846
64467	9	4·877	14·591	64541	10	25·937	16·780	64615	11	9·965	19·675	64689	8	12·226	21·281	64763	21	24·451	23·944
64468	6	6·129	14·969	64542	24	0·305	17·997	64616	6	10·815	19·379	64690*	28	13·986	21·027	64764	11	24·793	23·792
64469	8	6·287	14·209	64543	19	0·928	17·761	64617	9	11·103	19·578	64691*	34	14·210	21·686	64765	12	24·977	23·960
64470	12	7·667	14·865	64544	12	1·409	17·832	64618	9	11·878	19·039	64692	6	16·476	21·413	64766	13	25·804	23·965
64471	13	11·479	14·649	64545	22	1·889	17·280	64619	12	13·700	19·063	64693	7	19·435	21·486	64767	30	1·450	24·076
64472	12	14·315	14·329	64546	15	4·170	17·555	64620	7	13·842	19·720	64694	10	20·403	21·355	64768	29	1·600	24·274
64473	13	17·692	14·987	64547	8	4·225	17·535	64621	8	15·206	19·634	64695	7	20·700	21·576	64769	42	2·013	24·843
64474	9	21·342	14·554	64548	10	5·765	17·730	64622*	16	15·975	19·028	64696*	22	21·450	21·452	64770	18	3·033	24·450
64475	8	21·470	14·727	64549	6	7·123	17·079	64623*	22	16·004	19·577	64697	10	22·522	21·977	64771	17	4·729	24·020
64476	8	22·385	14·740	64550	14	7·375	17·410	64624	8	17·226	19·406	64698	8	22·627	21·030	64772	21	4·856	24·214
64477	8	22·391	14·277	64551	8	7·601	17·173	64625	15	19·535	19·844	64699	9	23·325	21·133	64773	12	5·990	24·837
64478	7	23·040	14·906	64552	12	7·746	17·904	64626	7	19·825	19·082	64700	9	24·728	21·976	64774	16	7·144	24·572
64479	8	23·049	14·492	64553	18	8·071	17·489	64627	8	20·305	19·159	64701	8	24·878	21·586	64775	9	7·401	24·214
64480	9	23·116	14·690	64554	8	9·411	17·327	64628	7	21·796	19·699	64702	19	0·885	22·252	64776	11	7·944	24·020
64481	7	23·515	14·356	64555	9	10·020	17·097	64629	8	23·100	19·578	64703	14	4·355	22·528	64777	9	8·612	24·170
64482	10	25·425	14·935	64556	15	10·905	17·695	64630	7	23·847	19·556	64704*	31	5·784	22·810	64778	11	8·627	24·837
64483	9	0·435	15·925	64557	9	13·052	17·738	64631	11	23·891	19·400	64705	10	6·619	22·602	64779	9	9·149	24·677
64484	15	0·611	15·754	64558	14	14·325	17·180	64632	9	25·016	19·279	64706	8	8·405	22·390	64780	9	9·186	24·427
64485	12	0·799	15·195	64559	7	15·554	17·720	64633	22	0·294	20·573	64707	10	9·296	22·334	64781	11	9·855	24·625
64486	12	2·509	15·945	64560	22	17·470	17·555	64634	14	2·509	20·462	64708	9	9·580	22·625	64782	8	11·335	24·914
64487	18	2·745	15·395	64561	9	19·700	17·306	64635	12	4·006	20·352	64709	8	10·584	22·476	64783	9	11·428	24·645
64488	14	2·894	15·335	64562	14	21·010	17·160	64636	9	6·585	20·883	64710	9	11·374	22·100	64784	8	12·043	24·196
64489	11	3·795	15·058	64563	8	23·085	17·017	64637	7	7·910	20·192	64711	8	11·810	22·243	64785	8	12·569	24·456
64490	8	5·773	15·416	64564	8	25·992	17·487	64638*	17	8·553	20·048	64712	8	12·490	22·430	64786	8	13·118	24·369
64491	8	6·067	15·353	64565	8	0·663	18·933	64639	8	8·696	20·556	64713	8	12·505	22·669	64787	8	13·377	24·465
64492	8	6·076	15·940	64566	12	1·720	18·790	64640	9	8·777	20·990	64714	8	12·576	22·907	64788	8	13·647	24·718
64493	9	6·555	15·141	64567	15	2·474	18·790	64641	10	8·883	20·852	64715	16	13·260	22·693	64789	6	15·399	24·577
64494	9	7·600	15·521	64568	9	3·034	18·425	64642	7	9·759	20·549	64716	8	13·290	22·100	64790	15	15·722	24·120
64495	9	7·910	15·170	64569	10	3·405	18·540	64643	9	10·166	20·087	64717	7	14·090	22·757	64791	10	16·349	24·758
64496	10	10·005	15·035	64570	11	3·418	18·785	64644	8	10·429	20·260	64718	10	14·648	22·182	64792	10	18·434	24·332
64497	7	10·468	15·750	64571	9	5·150	18·698	64645	7	10·651	20·859	64719	9	15·526	22·805	64793	8	18·635	24·527
64498	14	10·469	15·705	64572	10	5·684	18·139	64646	10	11·215	20·730	64720	8	15·800	22·500	64794	15	19·770	24·078
64499	20	13·370	15·314	64573	8	5·825	18·152	64647	6	12·045	20·641	64721	12	16·031	22·897	64795*	22	19·897	24·115
64500	7	13·517	15·211	64574	10	7·361	18·070	64648	7	13·220	20·956	64722	9	17·453	22·840	64796	7	20·172	24·938
64501	16	16·195	15·755	64575	9	7·691	18·485	64649	7	13·685	20·990	64723*	60	17·651	22·048	64797	11	20·403	24·355
64502	12	16·245	15·500	64576	8	7·891	18·010	64650	6	15·360	20·725	64724	12	18·647	22·445	64798	8	20·488	24·560
64503*	20	18·545	15·305	64577*	23	8·615	18·202	64651	8	17·100	20·170	64725	8	20·505	22·102	64799	17	20·759	24·276
64504	9	20·100	15·440	64578	9	8·924	18·140	64652	6	17·600	20·893	64726	9	21·315	22·815	64800	10	22·155	24·294
64505	8	20·940	15·687	64579	7	9·316	18·823	64653	11	18·021	20·775	64727	8	21·535	22·300	64801	8	23·017	24·634
64506	8	21·055	15·631	64580	10	10·295	18·656	64654	13	18·105	20·930	64728*	23	22·370	22·001	64802	14	23·774	24·316
64507	7	22·696	15·546	64581	9	11·970	18·075	64655	7	18·220	20·808	64729	14	22·606	22·336	64803	10	24·155	24·567
64508	8	23·176	15·694	64582	9	12·565	18·924	64656	7	19·327	20·469	64730	8	23·019	22·056	64804	21	24·380	24·829
64509	8	23·717	15·347	64583	11	13·174	18·350	64657	11	21·088	20·172	64731	8	23·211	22·366	64805	13	24·474	24·445
64510	7	24·177	15·693	64584	10	13·845	18·692	64658	6	21·179	20·749	64732	10	23·536	22·140	64806	11	6·721	25·895
64511	9	24·636	15·568	64585*	19	13·909	18·819	64659*	22	21·997	20·740	64733	19	23·692	22·986	64807	11	7·739	25·255
64512	8	25·541	15·458	64586	12	13·978	18·804	64660	9	22·417	20·140	64734	29	1·771	23·862	64808	8	9·115	25·972
64513	8	25·543	15·976	64587*	38	14·026	18·285	64661	8	24·321	20·434	64735	23	1·852	23·521	64809	8	10·240	25·175
64514	32	0·855	16·294	64588	12	14·540	18·511	64662	9	24·586	20·354	64736	18	3·145	23·909	64810	12	14·699	25·040
64515	15	1·448	16·386	64589	8	15·199	18·234	64663	9	24·594	20·377	64737	24	3·562	23·940	64811	13	15·585	25·547
64516	31	1·973	16·630	64590	8	15·480	18·873	64664	23	24·789	20·669	64738	7	6·160	23·577	64812	8	15·715	25·495
64517	16	2·103	16·316	64591	7	16·943	18·200	64665	10	25·430	20·785	64739	13	8·479	23·300	64813	8	15·979	25·475
64518	9	3·442	16·945	64592	11	17·934	18·111	64666	12	25·666	20·650	64740	9	9·356	23·043	64814	10	17·373	25·486
64519	11	4·340	16·060	64593	7	18·338	18·042	64667	18	0·065	21·945	64741	10	10·170	23·858	64815	10	17·481	25·867
64520*	19	4·850	16·270	64594	8	18·806	18·405	64668	14	2·711	21·126	64742	9	10·172	23·345	64816	31	19·757	25·932
64521	8	4·865	16·320	64595	8	19·430	18·340	64669	10	3·195	21·545	64743	9	10·174	23·022	64817	14	22·357	25·450
64522	12	5·119	16·842	64596	8	19·525	18·780	64670	10	3·720	21·030	64744	8	12·360	23·290	64818	10	22·645	25·101
64523	9	6·140	16·347	64597	13	21·136	18·116	64671	10	4·140	21·214	64745	14	13·181	23·840	64819	21	23·431	25·420
64524	13	7·178	16·201	64598	7	22·821	18·382	64672	14	4·619	21·303	64746	8	14·051	23·913	64820	13	23·872	25·401
64525*	30	7·985	16·783	64599*	41	24·459	18·826	64673	16	4·815	21·559	64747	7	14·228	23·800				
64526	8	9·087	16·100	64600	8	25·022	18·467	64674	10	5·215	21·791	64748	8	15·310	23·870				

R. A. 21h 31m

Plate 2020; 1902 Sept. 8.

Provisional Constants.

A	B	C
−·00059	+·00668	−1·2324
D	**E**	**F**
−·00623	−·00061	+·0150

Mag. = 16·5 − 1·36$\sqrt{d}$

No.	d	x	y
64901	30	1·202	0·733
64902*	29	2·224	0·689
64903	24	2·720	0·872
64904	16	5·929	0·893
64905	11	9·457	0·239
64906	17	10·163	0·071
64907	15	10·235	0·852
64908	10	12·280	0·433
64909*	22	12·814	0·081
64910	15	13·702	0·287
64911	10	13·806	0·152
64912	13	16·294	0·794
64913	12	17·365	0·821
64914	12	17·939	0·002
64915*	27	19·156	0·346
64916	16	19·844	0·741
64917	11	20·069	0·836
64918	13	20·684	0·111
64919*	21	24·164	0·567
64920	20	25·160	0·914
64921	23	0·606	1·820
64922	25	2·104	1·618
64923	14	3·457	1·265
64924*	26	4·756	1·101
64925	12	7·257	1·951
64926	10	7·307	1·583
64927	12	8·459	1·110
64928	11	8·596	1·515
64929	13	9·097	1·739
64930	17	9·232	1·991
64931	9	10·492	1·859
64932	11	11·985	1·159
64933	12	12·208	1·475
64934	10	13·484	1·369
64935	13	14·649	1·985
64936	12	14·831	1·929
64937	11	16·042	1·899
64938	13	16·280	1·860
64939*	20	19·035	1·414
64940	13	19·579	1·369
64941	12	20·146	1·256
64942	13	23·500	1·031
64943	10	24·579	1·293
64944	16	25·077	1·150
64945*	66	0·284	2·540
64946	31	1·257	2·848
64947*	27	3·775	2·237
64948	12	4·127	2·257
64949*	31	4·550	2·561
64950*	16	5·714	2·699
64951	12	6·000	2·383
64952	10	6·280	2·540
64953	12	6·490	2·170
64954	12	6·623	2·394
64955	12	7·716	2·311
64956	13	8·106	2·831

No.	d	x	y
64957	11	11·365	2·383
64958	13	11·841	2·716
64959*	22	13·907	2·914
64960	12	14·591	2·626
64961*	22	14·602	2·788
64962	11	17·387	2·082
64963	10	17·522	2·475
64964	10	18·131	2·351
64965	11	18·454	2·500
64966	11	18·517	2·424
64967*	30	19·569	2·688
64968	13	19·590	2·186
64969	13	21·179	2·737
64970	13	21·249	2·299
64971	10	21·891	2·169
64972*	21	22·774	2·143
64973	12	22·999	2·154
64974	12	24·258	2·987
64975	14	24·760	2·616
64976	14	25·034	2·940
64977	50	0·449	3·029
64978	12	1·368	3·130
64979	10	7·159	3·952
64980	13	7·976	3·998
64981*	23	10·253	3·937
64982	13	12·167	3·458
64983	13	12·680	3·035
64984	15	12·702	3·279
64985	13	12·771	3·185
64986	10	12·990	3·412
64987	11	13·815	3·676
64988	13	14·918	3·700
64989*	25	15·643	3·740
64990	13	15·688	3·343
64991	14	18·021	3·300
64992	15	18·097	3·960
64993	12	18·437	3·588
64994	20	18·540	3·520
64995	11	20·539	3·429
64996	13	22·152	3·540
64997	11	24·744	3·666
64998	21	2·174	4·034
64999	18	2·458	4·046
65000	11	4·571	4·621
65001	17	4·939	4·441
65002	10	5·081	4·350
65003	15	6·508	4·990
65004	13	8·560	4·060
65005	11	10·171	4·164
65006	13	11·303	4·477
65007	14	11·726	4·170
65008	12	14·613	4·700
65009	11	17·979	4·017
65010	12	18·191	4·549
65011	12	19·363	4·623
65012	21	19·822	4·184
65013	11	20·349	4·765
65014	11	21·071	4·262
65015	11	21·640	4·781
65016*	26	21·972	4·738
65017	10	22·223	4·654
65018	20	22·887	4·759
65019	28	0·933	5·939
65020	13	5·475	5·781
65021	13	6·281	5·179
65022	13	7·285	5·231
65023	14	9·850	5·511
65024	12	10·347	5·402
65025	12	11·307	5·116
65026*	26	11·939	5·718
65027	10	12·991	5·475
65028	27	14·161	5·074
65029	13	15·693	5·295
65030	12	15·746	5·880

No.	d	x	y
65031	13	19·167	5·891
65032	12	19·476	5·199
65033	10	20·349	5·299
65034	13	22·311	5·327
65035	11	22·467	5·236
65036	11	22·715	5·689
65037	10	22·844	5·473
65038	12	23·630	5·309
65039	14	23·765	5·511
65040	13	0·051	6·546
65041	16	2·266	6·999
65042	12	2·372	6·092
65043	14	3·717	6·300
65044	12	6·674	6·537
65045	13	7·152	6·058
65046	10	7·950	6·076
65047*	34	10·462	6·636
65048	10	11·441	6·291
65049	10	13·814	6·137
65050	12	13·865	6·776
65051	12	14·387	6·681
65052	14	16·050	6·468
65053	11	17·160	6·018
65054	15	19·186	6·672
65055	11	19·391	6·143
65056	10	19·861	6·546
65057	14	20·042	6·981
65058	10	21·543	6·699
65059	11	21·704	6·884
65060	14	22·781	6·522
65061	10	24·856	6·959
65062	11	25·341	6·179
65063	11	25·605	6·931
65064	16	25·659	6·839
65065	15	0·111	7·127
65066	13	0·845	7·140
65067	15	2·064	7·540
65068	13	2·591	7·448
65069	13	3·317	7·402
65070	13	4·359	7·309
65071	11	4·671	7·693
65072	10	4·949	7·334
65073	20	6·517	7·150
65074	23	6·693	7·190
65075	11	6·804	7·767
65076	10	8·198	7·271
65077	10	9·281	7·458
65078	10	9·450	7·462
65079	13	9·981	7·265
65080	19	10·859	7·460
65081	12	12·196	7·104
65082	12	12·791	7·725
65083*	40	12·921	7·679
65084	20	15·258	7·120
65085	10	18·073	7·022
65086	12	18·900	7·537
65087*	30	20·370	7·518
65088	12	21·073	7·049
65089	11	23·336	7·537
65090	12	25·184	7·005
65091	20	0·093	8·581
65092	16	0·309	8·520
65093	12	1·474	8·220
65094	11	2·666	8·273
65095	13	2·714	8·091
65096	13	3·149	8·815
65097	10	6·780	8·266
65098	13	8·194	8·734
65099	11	8·517	8·528
65100	20	9·044	8·041
65101	21	11·990	8·420
65102	15	12·912	8·437
65103	14	12·951	8·384
65104	22	17·448	8·474

No.	d	x	y
65105	12	17·663	8·515
65106	19	19·660	8·533
65107	10	22·825	8·950
65108	10	22·881	8·290
65109	10	22·983	8·156
65110	13	23·041	8·024
65111	10	23·503	8·531
65112	10	24·720	8·905
65113	28	0·066	9·591
65114	10	2·110	9·618
65115	12	3·150	9·386
65116	11	4·216	9·052
65117	10	4·964	9·900
65118	10	6·819	9·043
65119	14	19·542	9·041
65120	18	19·943	9·470
65121	10	20·250	9·048
65122*	29	20·382	9·992
65123	10	21·031	9·623
65124*	37	23·289	9·135
65125	13	23·580	9·101
65126	10	23·591	9·539
65127	10	24·383	9·829
65128	20	2·698	10·007
65129*	37	2·984	10·020
65130	10	3·068	10·839
65131	11	4·756	10·181
65132	12	4·796	10·983
65133	10	5·153	10·101
65134	12	7·281	10·999
65135	14	7·451	10·427
65136	14	8·002	10·731
65137	10	8·306	10·390
65138	13	8·342	10·431
65139	12	8·680	10·972
65140*	40	13·343	10·130
65141	10	17·940	10·771
65142	13	18·871	10·395
65143	10	21·125	10·327
65144	20	21·132	10·956
65145	10	21·181	10·192
65146	10	21·200	10·395
65147	20	21·724	10·791
65148	10	22·070	10·490
65149	13	22·751	10·648
65150	11	23·028	10·556
65151	11	23·199	10·790
65152	10	24·415	10·107
65153	12	25·292	10·007
65154	20	25·941	10·991
65155	11	2·934	11·579
65156	15	3·395	11·893
65157	11	4·811	11·049
65158	13	5·263	11·555
65159	10	5·306	11·670
65160	12	6·522	11·040
65161	10	6·700	11·299
65162	12	7·687	11·341
65163	10	8·240	11·914
65164	18	8·300	11·655
65165	13	11·513	11·511
65166	20	12·457	11·330
65167	15	12·862	11·209
65168	16	13·700	11·777
65169	13	14·471	11·287
65170	15	16·513	11·219
65171	15	17·022	11·204
65172	15	17·290	11·659
65173	12	23·111	11·399
65174	13	0·255	12·104
65175	28	1·133	12·231
65176	14	2·689	12·351
65177	12	3·066	12·075
65178	23	3·288	12·920

No.	d	x	y
65179	14	3·852	12·119
65180	11	7·177	12·640
65181	10	7·181	12·018
65182	12	7·689	12·814
65183	12	8·730	12·653
65184	10	9·185	12·886
65185	13	9·610	12·357
65186	14	10·893	12·902
65187	13	12·780	12·027
65188	20	14·024	12·210
65189*	27	15·341	12·769
65190	20	17·923	12·582
65191	13	20·571	12·242
65192	13	21·023	12·990
65193	14	22·504	12·921
65194	14	22·553	12·770
65195	11	23·656	12·411
65196	10	25·913	12·656
65197	13	0·621	13·672
65198	13	1·244	13·179
65199	10	2·462	13·979
65200	16	2·541	13·808
65201	13	4·529	13·414
65202	11	5·460	13·198
65203	10	6·890	13·607
65204	12	8·321	13·767
65205	15	9·929	13·953
65206	14	10·946	13·790
65207	14	12·254	13·190
65208	13	13·019	13·399
65209	14	13·565	13·626
65210	14	16·286	13·539
65211	12	19·043	13·589
65212	12	20·165	13·773
65213	10	21·377	13·131
65214	14	21·493	13·937
65215*	30	22·339	13·879
65216	12	22·749	13·054
65217	11	23·136	13·663
65218	13	23·209	13·407
65219*	29	24·244	13·060
65220	11	24·390	13·095
65221	11	3·296	14·259
65222	13	3·534	14·450
65223*	28	4·035	14·934
65224	10	4·045	14·844
65225	15	6·183	14·741
65226	10	6·472	14·118
65227	14	9·419	14·082
65228	11	9·462	14·874
65229	14	9·832	14·773
65230	12	10·278	14·661
65231	13	11·895	14·923
65232	12	12·235	14·542
65233	12	13·341	14·840
65234*	33	13·569	14·916
65235	13	13·772	14·800
65236*	24	14·607	14·937
65237	14	15·084	14·018
65238	11	17·441	14·054
65239	13	19·354	14·187
65240	12	19·820	14·477
65241	13	20·056	14·503
65242	12	20·633	14·753
65243	13	21·624	14·525
65244	11	22·922	14·705
65245	10	25·724	14·801
65246	13	1·336	15·356
65247	13	1·466	15·876
65248	11	2·640	15·740
65249	10	2·771	15·581
65250	19	4·147	15·094
65251*	24	4·207	15·543
65252	11	4·820	15·433

No.	d	x	y
65253	16	5·567	15·010
65254*	30	6·843	15·660
65255	13	9·711	15·299
65256	13	11·201	15·642
65257	14	12·122	15·347
65258	11	12·333	15·919
65259	20	16·047	15·061
65260	29	16·782	15·907
65261	21	17·176	15·101
65262	15	17·901	15·599
65263	11	18·931	15·650
65264	11	21·095	15·861
65265*	40	21·739	15·823
65266	11	23·938	15·701
65267	15	0·561	16·005
65268	13	1·477	16·396
65269	12	1·945	16·492
65270	14	3·809	16·487
65271	10	4·176	16·371
65272	10	4·610	16·831
65273	10	5·230	16·452
65274	10	5·264	16·621
65275	11	5·442	16·553
65276	17	6·413	16·924
65277	13	8·581	16·373
65278	13	10·525	16·582
65279*	50	11·179	16·989
65280	10	11·359	16·954
65281	14	12·628	16·025
65282	15	14·382	16·608
65283	13	16·893	16·172
65284	11	17·734	16·766
65285	26	18·336	16·403
65286	12	18·554	16·961
65287	14	19·428	16·319
65288*	24	19·583	16·726
65289	13	19·694	16·027
65290	12	20·447	16·185
65291	10	22·662	16·762
65292	12	23·056	16·781
65293	11	23·424	16·603
65294	10	23·840	16·753
65295	12	23·933	16·130
65296	19	25·230	16·859
65297	10	25·371	16·986
65298	11	25·461	16·991
65299	15	0·367	17·121
65300	23	1·211	17·274
65301	30	1·394	17·161
65302	14	1·890	17·192
65303	11	1·958	17·897
65304	14	1·981	17·720
65305	25	2·058	17·027
65306	14	2·231	17·976
65307	10	4·275	17·014
65308	11	4·316	17·640
65309	13	4·497	17·751
65310	10	9·309	17·865
65311	17	11·349	17·502
65312	13	12·079	17·964
65313	14	12·904	17·617
65314	13	13·027	17·705
65315	10	13·084	17·375
65316	12	14·029	17·462
65317	14	14·111	17·926
65318	11	15·634	17·729
65319	10	16·313	17·879
65320	11	16·616	17·190
65321*	20	17·796	17·150
65322	11	18·475	17·736
65323	13	18·673	17·620
65324	14	18·988	17·176
65325	11	19·011	17·599
65326	12	19·929	17·106
65327	20	21·986	17·799
65328	12	22·278	17·011
65329	12	22·299	17·285
65330	13	23·036	17·463
65331	10	23·296	17·860
65332	10	23·735	17·193
65333	12	24·424	17·619
65334	10	24·529	17·419
65335	26	1·190	18·689
65336	23	1·202	18·971
65337	12	2·094	18·464
65338	23	2·387	18·816
65339	12	3·416	18·664
65340	10	4·491	18·487
65341	13	5·182	18·158
65342	10	5·634	18·441
65343	11	6·893	18·971
65344	11	7·655	18·380
65345	10	8·577	18·247
65346	11	9·171	18·633
65347	11	10·019	18·342
65348	20	10·030	18·395
65349	17	13·349	18·651
65350	12	13·512	18·624
65351	11	13·587	18·263
65352	11	15·308	18·868
65353	16	16·375	18·474
65354	10	16·631	18·093
65355	12	17·401	18·112
65356	10	17·580	18·542
65357	13	18·925	18·669
65358	10	19·259	18·169
65359	20	19·562	18·084
65360	10	22·146	18·883
65361	16	23·370	18·471
65362	10	23·385	18·635
65363	10	25·820	18·367
65364*	74	0·455	19·270
65365	20	1·019	19·711
65366	12	3·292	19·942
65367	17	4·769	19·335
65368	12	4·817	19·665
65369	10	5·351	19·642
65370	12	5·751	19·811
65371	10	6·748	19·615
65372	17	7·526	19·780
65373	13	9·830	19·118
65374	10	10·708	19·193
65375	20	11·150	19·403
65376	12	11·597	19·420
65377	11	11·714	19·920
65378	20	12·551	19·732
65379	11	12·863	19·953
65380	14	13·599	19·458
65381	14	13·719	19·971
65382	12	16·111	19·743
65383	13	16·218	19·547
65384	19	16·478	19·097
65385	12	17·453	19·845
65386	20	20·244	19·128
65387	10	21·353	19·345
65388	16	21·595	19·599
65389*	28	22·086	19·896
65390	10	25·121	19·545
65391	13	25·491	19·635
65392	10	25·902	19·924
65393	15	0·626	20·817
65394	11	2·167	20·724
65395	13	2·473	20·256
65396	26	4·296	20·339
65397	12	7·884	20·944
65398	13	8·561	20·564
65399	17	9·346	20·887
65400	10	9·771	20·438
65401	10	10·152	20·646
65402	16	10·518	20·537
65403	12	10·569	20·486
65404	9	10·757	20·508
65405	14	10·793	20·566
65406	12	10·799	20·320
65407	11	12·489	20·859
65408	19	13·135	20·866
65409	13	13·664	20·897
65410	10	14·158	20·008
65411	18	14·428	20·022
65412*	40	15·111	20·760
65413	10	15·199	20·084
65414	10	15·727	20·227
65415	22	15·790	20·250
65416	10	18·208	20·107
65417	10	18·461	20·544
65418	16	19·141	20·610
65419	18	20·609	20·774
65420	12	24·180	20·800
65421	13	25·836	20·780
65422	42	0·824	21·104
65423	14	1·468	21·205
65424	18	1·701	21·065
65425	10	3·711	21·782
65426	10	5·516	21·091
65427	13	6·203	21·770
65428	10	7·450	21·480
65429	13	8·048	21·119
65430	12	10·240	21·568
65431	10	10·706	21·299
65432	10	11·763	21·731
65433	13	11·814	21·509
65434	10	11·827	21·763
65435	10	12·022	21·832
65436	12	13·398	21·931
65437	11	14·405	21·300
65438	15	15·603	21·361
65439	10	15·690	21·421
65440*	31	16·729	21·353
65441	27	18·526	21·150
65442	20	19·151	21·108
65443	10	21·446	21·249
65444	10	21·920	21·530
65445	10	22·044	21·173
65446	12	23·145	21·300
65447	27	24·793	21·809
65448	11	2·044	22·459
65449	15	3·301	22·163
65450	14	3·367	22·745
65451	12	4·071	22·656
65452	10	5·411	22·860
65453	15	6·830	22·983
65454	18	6·971	22·549
65455	10	7·324	22·787
65456	10	7·562	22·407
65457	20	8·128	22·350
65458	10	8·427	22·267
65459	20	8·452	22·208
65460	12	8·692	22·330
65461	10	9·474	22·860
65462	13	9·944	22·437
65463	14	10·400	22·966
65464	11	10·614	22·214
65465	9	12·150	22·489
65466	10	12·569	22·314
65467	12	14·742	22·301
65468*	29	15·675	22·959
65469	10	15·898	22·567
65470	12	17·392	22·270
65471	10	18·057	22·756
65472	10	19·188	22·870
65473	12	19·379	22·906
65474	14	19·829	22·314
65475	23	20·097	22·899
65476	11	21·894	22·409
65477	14	25·221	22·941
65478	23	4·107	23·016
65479	13	4·134	23·100
65480	12	5·487	23·296
65481	12	8·836	23·354
65482	10	11·173	23·290
65483	11	12·128	23·381
65484	11	12·779	23·051
65485	10	12·783	23·130
65486	14	12·945	23·858
65487	22	13·461	23·200
65488	10	13·570	23·259
65489	11	15·936	23·370
65490	12	16·758	23·390
65491	13	16·991	23·548
65492	16	20·270	23·636
65493	11	20·453	23·775
65494	10	20·935	23·894
65495	11	21·440	23·590
65496	12	22·785	23·429
65497	10	24·004	23·401
65498	14	24·171	23·444
65499	17	25·390	23·570
65500	35	0·559	24·387
65501	23	2·330	24·216
65502	14	2·676	24·708
65503	15	2·876	24·855
65504	25	4·211	24·849
65505	15	4·935	24·758
65506	14	5·200	24·097
65507	25	5·221	24·297
65508	14	5·693	24·428
65509	15	7·348	24·068
65510*	32	8·081	24·800
65511	17	8·403	24·411
65512	14	8·775	24·191
65513	12	9·925	24·283
65514	14	10·180	24·301
65515	10	12·317	24·176
65516	10	12·911	24·995
65517	11	13·041	24·470
65518	22	14·158	24·295
65519	10	14·643	24·287
65520	10	14·965	24·891
65521*	33	15·237	24·676
65522	10	17·308	24·705
65523	10	18·601	24·136
65524	12	19·071	24·600
65525	22	19·659	24·596
65526	16	20·828	24·523
65527	11	21·442	24·191
65528	10	21·583	24·702
65529	26	22·642	24·010
65530	11	23·298	24·812
65531	16	23·586	24·007
65532	15	25·251	24·471
65533	15	25·478	24·657
65534	30	0·505	25·275
65535	21	5·209	25·505
65536	24	6·322	25·067
65537	20	6·641	25·001
65538	20	7·061	25·419
65539	12	8·620	25·468
65540	11	8·892	25·646
65541	12	9·408	25·131
65542	11	10·160	25·810
65543	10	10·746	25·351
65544	11	16·350	25·422
65545	10	17·109	25·196
65546	26	17·970	25·941
65547	12	20·247	25·449
65548	14	20·956	25·871
65549	25	21·420	25·830
65550	14	22·827	25·693
65551	14	22·941	25·102
65552	13	23·420	25·269
65553	14	24·140	25·973
65554	12	25·013	25·355

R. A. 21h 40m

Plate 2022; 1902 Sept. 8.

Provisional Constants.

A	B	C
−·00057	−·00423	+·0248
D	**E**	**F**
+·00450	−·00057	−·4660

Mag. = 16·2 − 1·36$\sqrt{d}$

No.	*d*	*x*	*y*
65601*	34	2·035	0·230
65602	21	2·951	0·809
65603*	27	3·031	0·573
65604*	41	4·397	0·066
65605	22	6·138	0·168
65606	12	6·948	0·273
65607	11	7·466	0·759
65608	11	8·626	0·251
65609	12	9·307	0·900
65610*	17	9·544	0·717
65611	14	10·757	0·103
65612	21	12·107	0·625
65613	12	13·763	0·366
65614	12	13·951	0·992
65615	10	14·270	0·653
65616	13	14·771	0·244
65617	13	15·676	0·815
65618	12	16·015	0·744
65619	10	17·518	0·266
65620	12	18·279	0·263
65621	13	18·789	0·492
65622	11	18·818	0·081
65623	20	20·139	0·850
65624	14	20·189	0·952
65625	13	23·095	0·804
65626	12	23·273	0·831
65627	20	25·466	0·448
65628*	37	0·660	1·824
65629	22	0·880	1·830
65630	13	4·100	1·654
65631	11	6·444	1·637
65632	10	7·642	1·463
65633	10	8·000	1·377
65634	10	9·329	1·709
65635	10	10·750	1·496
65636	10	12·711	1·929
65637	11	13·399	1·426
65638	12	15·054	1·607
65639	22	16·338	1·984
65640	10	16·599	1·008
65641	10	17·833	1·234
65642	10	18·230	1·754
65643	21	18·677	1·376
65644	11	19·110	1·190
65645	10	20·711	1·254

65646	13	21·632	1·143	65720	32	25·937	4·171	65794	23	13·228	8·436	65868*	31	21·148	11·203	65942	11	6·980	14·938
65647*	20	23·061	1·335	65721	25	25·951	4·227	65795	17	14·461	8·058	65869	10	21·756	11·236	65943	13	10·479	14·982
65648	22	25·772	1·348	65722	24	0·224	5·007	65796	13	15·150	8·271	65870	13	22·418	11·565	65944	10	10·491	14·147
65649	14	2·150	2·650	65723	20	0·631	5·366	65797	12	17·010	8·607	65871	14	25·684	11·699	65945	26	15·920	14·381
65650	22	2·650	2·277	65724	15	0·761	5·152	65798	10	21·121	8·393	65872	23	0·487	12·603	65946	12	17·051	14·768
65651	18	2·926	2·599	65725	22	1·683	5·179	65799*	23	23·967	8·443	65873	20	0·734	12·732	65947	13	18·500	14·608
65652	13	4·185	2·149	65726	11	3·262	5·834	65800	10	24·085	8·165	65874	13	1·637	12·080	65948	10	20·418	14·935
65653	17	5·308	2·776	65727	11	4·519	5·372	65801	16	25·621	8·841	65875*	41	2·231	12·725	65949	11	22·068	14·057
65654	10	6·101	2·518	65728	10	7·115	5·496	65802	18	1·545	9·210	65876	12	2·377	12·758	65950	10	23·443	14·293
65655	10	6·643	2·775	65729	10	8·026	5·564	65803	12	2·340	9·493	65877	11	3·892	12·304	65951	17	23·457	14·650
65656	11	7·799	2·383	65730	10	8·919	5·851	65804	10	2·371	9·771	65878	11	4·393	12·233	65952	12	23·855	14·100
65657	10	10·232	2·610	65731	11	8·965	5·643	65805	13	3·250	9·663	65879	11	4·731	12·160	65953	12	25·088	14·920
65658	12	10·465	2·292	65732	10	11·228	5·951	65806	11	4·032	9·782	65880	14	6·218	12·631	65954	10	25·552	14·600
65659	11	10·808	2·999	65733	12	15·204	5·014	65807	11	4·340	9·118	65881	11	6·932	12·163	65955	16	1·947	15·799
65660	12	11·671	2·558	65734	13	15·918	5·655	65808	10	4·564	9·156	65882	13	10·584	12·850	65956	14	1·949	15·367
65661	10	11·720	2·566	65735	12	16·174	5·562	65809	11	5·608	9·767	65883*	19	13·218	12·131	65957	12	4·645	15·691
65662	11	11·730	2·161	65736	10	17·034	5·235	65810	13	6·470	9·021	65884	13	13·551	12·672	65958	12	5·636	15·007
65663	20	14·307	2·954	65737	12	18·174	5·163	65811	13	7·024	9·129	65885	12	17·462	12·690	65959	13	6·080	15·664
65664	10	16·856	2·176	65738	13	18·615	5·801	65812	10	7·150	9·400	65886	13	17·951	12·620	65960	11	7·270	15·237
65665	10	16·895	2·282	65739	12	19·189	5·654	65813	13	7·654	9·251	65887*	25	18·159	12·598	65961	10	7·750	15·000
65666	12	17·242	2·632	65740	12	19·980	5·925	65814	14	15·448	9·573	65888	13	19·665	12·709	65962	10	7·801	15·032
65667	11	18·286	2·327	65741*	22	21·561	5·148	65815	13	15·858	9·669	65889	13	19·789	12·361	65963	10	7·805	15·420
65668	13	21·652	2·848	65742	12	24·411	5·888	65816	12	17·539	9·338	65890	13	20·610	12·619	65964	10	11·045	15·703
65669	20	22·535	2·660	65743	10	24·511	5·807	65817	18	18·186	9·354	65891*	20	23·368	12·754	65965*	22	11·523	15·720
65670	19	22·681	2·414	65744	11	25·116	5·533	65818	22	18·522	9·700	65892	10	24·257	12·051	65966	12	11·911	15·430
65671	12	22·728	2·292	65745	17	25·788	5·487	65819	11	20·749	9·753	65893	11	24·410	12·910	65967	12	12·075	15·735
65672	22	0·047	3·225	65746	10	25·846	5·073	65820	15	23·950	9·502	65894	17	25·318	12·930	65968	10	13·159	15·029
65673	14	4·019	3·481	65747	25	0·704	6·198	65821	10	25·515	9·430	65895	10	25·390	12·748	65969	15	13·195	15·058
65674	12	4·707	3·671	65748	15	3·113	6·662	65822	12	25·545	9·107	65896	13	25·505	12·113	65970*	29	14·296	15·974
65675	11	6·167	3·082	65749	12	3·531	6·581	65823	23	0·715	10·326	65897*	33	0·331	13·558	65971	10	14·455	15·631
65676	10	7·671	3·471	65750	19	3·586	6·489	65824	22	1·163	10·462	65898	20	1·200	13·079	65972	10	17·451	15·215
65677	10	8·068	3·023	65751	10	4·911	6·170	65825	23	3·908	10·640	65899	10	4·561	13·801	65973	11	18·016	15·693
65678	22	9·060	3·828	65752	15	9·743	6·258	65826	15	3·995	10·625	65900	12	5·080	13·516	65974	12	19·693	15·811
65679	11	9·268	3·472	65753	10	10·175	6·933	65827	12	5·580	10·608	65901	13	5·505	13·176	65975	10	22·425	15·986
65680	12	9·846	3·355	65754*	19	13·426	6·255	65828*	22	7·080	10·921	65902	12	5·799	13·610	65976	21	23·201	15·948
65681	10	11·357	3·799	65755	13	13·881	6·261	65829	10	7·363	10·856	65903	10	5·974	13·361	65977	10	24·457	15·291
65682	12	14·361	3·943	65756	29	16·971	6·682	65830	12	7·718	10·280	65904*	20	6·150	13·518	65978	14	25·621	15·711
65683	10	14·591	3·986	65757	13	19·220	6·635	65831	16	8·332	10·224	65905	12	6·892	13·653	65979	22	0·304	16·696
65684	10	16·985	3·004	65758	10	20·559	6·719	65832*	23	8·486	10·720	65906	10	6·966	13·718	65980	22	0·327	16·969
65685	13	19·105	3·790	65759	12	20·626	6·853	65833	10	8·584	10·007	65907*	20	7·570	13·258	65981	10	0·529	16·541
65686	10	19·309	3·703	65760	10	20·699	6·639	65834	12	10·664	10·467	65908*	20	7·973	13·031	65982	16	0·684	16·443
65687*	24	19·606	3·749	65761	22	20·916	6·441	65835	12	11·458	10·240	65909	10	8·070	13·230	65983	22	1·075	16·457
65688	12	19·737	3·299	65762	10	21·372	6·382	65836	18	13·169	10·168	65910	11	8·506	13·360	65984	20	3·251	16·515
65689	10	20·442	3·304	65763	11	22·668	6·757	65837	12	14·101	10·868	65911	10	8·705	13·254	65985	11	3·396	16·637
65690*	21	21·571	3·528	65764	10	24·240	6·644	65838	13	15·850	10·229	65912	11	9·884	13·233	65986	12	3·483	16·639
65691	11	22·770	3·569	65765	11	25·452	6·743	65839	12	16·891	10·899	65913	10	10·372	13·558	65987	10	4·130	16·749
65692	21	0·128	4·337	65766	11	0·821	7·969	65840	10	17·081	10·106	65914	12	11·108	13·764	65988	20	4·201	16·572
65693	22	0·378	4·917	65767	13	0·920	7·832	65841	10	18·151	10·241	65915	13	11·286	13·622	65989	10	5·371	16·139
65694	32	0·797	4·435	65768	22	0·980	7·700	65842	12	22·032	10·371	65916	12	12·382	13·276	65990	10	6·696	16·613
65695	21	1·544	4·982	65769	11	3·206	7·282	65843	13	22·035	10·321	65917	10	12·771	13·412	65991	10	7·239	16·89[illegible]
65696	10	4·045	4·353	65770	10	5·350	7·165	65844	22	22·805	10·263	65918*	30	13·031	13·321	65992	12	9·029	16·758
65697	12	5·401	4·523	65771	11	7·385	7·146	65845	16	23·856	10·168	65919	11	14·707	13·176	65993	10	9·210	16·352
65698	13	7·399	4·058	65772	14	7·762	7·381	65846	10	23·896	10·147	65920	12	17·434	13·070	65994*	28	9·817	16·870
65699	10	7·638	4·043	65773	10	7·810	7·905	65847	16	24·730	10·252	65921	12	18·334	13·318	65995	12	11·956	16·581
65700	10	7·771	4·546	65774	11	9·172	7·772	65848	10	25·020	10·652	65922	10	19·232	13·122	65996	14	14·386	16·136
65701	11	8·962	4·495	65775	10	9·689	7·538	65849	10	25·586	10·834	65923	11	19·569	13·107	65997	12	14·401	16·251
65702	11	10·125	4·669	65776	12	9·838	7·216	65850	16	1·080	11·070	65924*	42	21·460	13·432	65998	12	17·751	16·145
65703	11	10·979	4·778	65777	13	11·431	7·916	65851*	20	4·067	11·595	65925	11	23·426	13·407	65999	10	19·148	16·510
65704	15	12·092	4·544	65778	12	14·282	7·131	65852	12	4·076	11·630	65926	10	24·721	13·647	66000	16	21·446	16·163
65705	12	12·535	4·996	65779	23	14·347	7·705	65853	13	5·423	11·415	65927	10	24·788	13·735	66001	10	21·960	16·810
65706	10	13·616	4·635	65780	10	14·831	7·497	65854	12	7·578	11·882	65928	12	24·805	13·499	66002	12	24·615	16·763
65707	9	15·707	4·724	65781	10	17·750	7·657	65855	12	8·621	11·468	65929	13	24·986	13·660	66003	10	25·309	16·107
65708	13	15·965	4·697	65782	12	21·450	7·523	65856	13	10·380	11·541	65930	15	0·923	14·383	66004	12	25·328	16·047
65709	10	16·618	4·986	65783	10	22·071	7·925	65857	12	10·986	11·294	65931	12	3·725	14·450	66005	25	0·015	17·481
65710	11	16·724	4·494	65784	12	24·701	7·281	65858	12	11·556	11·445	65932	11	4·020	14·025	66006	22	1·062	17·140
65711	10	17·611	4·214	65785	19	0·773	8·626	65859	22	12·471	11·562	65933	10	4·145	14·657	66007	10	1·329	17·531
65712	10	18·540	4·377	65786*	36	1·240	8·810	65860	13	13·700	11·571	65934	12	4·510	14·681	66008	15	2·451	17·281
65713	13	19·070	4·881	65787	13	1·445	8·201	65861	20	14·488	11·488	65935*	33	4·635	14·173	66009	10	4·339	17·917
65714	12	21·546	4·756	65788	21	1·526	8·771	65862	11	15·421	11·196	65936	12	4·665	14·228	66010	12	4·989	17·618
65715	11	22·287	4·451	65789	12	2·663	8·567	65863	15	15·473	11·933	65937	10	5·405	14·552	66011	10	5·099	17·811
65716	10	23·014	4·136	65790	11	4·199	8·614	65864	12	16·377	11·358	65938	11	5·414	14·407	66012	15	5·682	17·495
65717	11	23·806	4·094	65791	10	10·341	8·363	65865	11	18·076	11·651	65939	10	6·090	14·170	66013	11	5·750	17·628
65718	22	24·363	4·463	65792	11	11·080	8·444	65866	20	18·371	11·807	65940	10	6·762	14·094	66014	10	6·280	17·054
65719	13	25·775	4·757	65793	11	12·651	8·044	65867	13	19·677	11·502	65941	10	6·951	14·228	66015	12	7·263	17·898

No.	d	x	y
66016	10	7·496	17·799
66017	13	8·000	17·992
66018*	32	8·165	17·662
66019	13	8·441	17·396
66020	12	8·805	17·249
66021	12	9·747	17·196
66022	10	9·796	17·715
66023	12	10·125	17·195
66024	10	10·214	17·306
66025	13	11·006	17·403
66026	19	12·075	17·218
66027	16	12·331	17·620
66028	10	14·851	17·912
66029	11	15·265	17·993
66030	21	15·428	17·202
66031	12	16·196	17·455
66032	11	16·206	17·443
66033	12	19·280	17·480
66034	10	19·618	17·111
66035	14	20·039	17·615
66036	10	20·305	17·776
66037	20	20·889	17·449
66038	10	23·556	17·512
66039	10	23·600	17·623
66040	14	23·826	17·737
66041	10	24·866	17·134
66042	10	25·211	17·958
66043	12	25·405	17·175
66044	22	1·407	18·142
66045	10	5·084	18·288
66046	13	5·259	18·040
66047	10	5·622	18·922
66048	10	6·008	18·033
66049	15	6·013	18·064
66050	10	6·744	18·525
66051	13	7·625	18·984
66052	13	7·801	18·301
66053	13	8·521	18·853
66054	10	8·666	18·951
66055	11	9·481	18·974
66056	12	10·946	18·321
66057	13	11·370	18·091
66058	13	11·407	18·749
66059	10	14·703	18·472
66060*	31	14·830	18·861
66061	10	14·902	18·938
66062	10	20·321	18·793
66063	10	20·391	18·644
66064	13	22·170	18·310
66065	10	22·439	18·726
66066	13	23·231	18·532
66067	11	23·539	18·054
66068	10	24·754	18·207
66069*	24	0·135	19·581
66070	10	3·166	19·198
66071	12	3·534	19·286
66072	10	3·952	19·573
66073	14	4·831	19·538
66074	10	5·169	19·265
66075	13	5·350	19·178
66076	10	5·852	19·280
66077	11	6·922	19·107
66078	10	8·085	19·667
66079	10	8·487	19·899
66080	13	8·782	19·029
66081	10	8·875	19·997
66082	10	8·970	19·153
66083	12	10·013	19·610
66084	14	10·060	19·004
66085	12	10·435	19·097
66086	10	15·576	19·469
66087	13	18·190	19·356
66088	12	19·140	19·251
66089	10	19·715	19·282

No.	d	x	y
66090	13	22·410	19·000
66091	18	2·239	20·467
66092	15	3·894	20·430
66093	11	4·256	20·443
66094	11	4·390	20·203
66095	10	5·164	20·420
66096*	23	6·438	20·090
66097	10	7·041	20·550
66098	14	7·060	20·308
66099	20	7·925	20·829
66100	10	10·238	20·413
66101	10	10·686	20·664
66102	11	12·145	20·133
66103	10	12·146	20·767
66104	10	12·999	20·668
66105	10	13·307	20·921
66106	12	13·361	20·708
66107	13	14·418	20·175
66108	10	14·608	20·418
66109	11	14·628	20·059
66110	10	15·670	20·312
66111	10	15·701	20·761
66112	10	15·977	20·139
66113	10	16·040	20·151
66114	10	16·721	20·863
66115	11	18·095	20·570
66116	11	19·771	20·391
66117*	36	2·860	21·467
66118	19	4·108	21·391
66119	12	5·514	21·527
66120	10	7·100	21·251
66121	12	7·866	21·986
66122	16	8·630	21·357
66123	11	9·308	21·321
66124	12	11·820	21·108
66125	12	12·080	21·674
66126	13	13·208	21·673
66127	11	13·286	21·552
66128	10	13·601	21·338
66129	12	14·501	21·591
66130	13	15·901	21·447
66131	10	16·778	21·460
66132	10	19·552	21·591
66133*	12	19·666	21·718
66134	11	19·753	21·843
66135	11	23·801	21·887
66136	11	24·720	21·604
66137	22	3·300	22·597
66138	13	4·564	22·021
66139	14	5·580	22·771
66140	20	6·443	22·274
66141	10	9·946	22·353
66142	11	10·812	22·883
66143	10	11·256	22·440
66144	11	11·460	22·821
66145	10	12·657	22·418
66146	12	13·460	22·813
66147	10	13·650	22·468
66148	12	13·677	22·964
66149	13	13·954	22·771
66150	10	15·141	22·164
66151	11	16·381	22·188
66152	13	17·694	22·291
66153	10	18·800	22·700
66154	20	23·906	22·487
66155	21	24·425	22·953
66156	32	0·728	23·692
66157	22	0·865	23·105
66158	33	1·670	23·679
66159	19	2·085	23·065
66160	20	2·252	23·110
66161	15	2·842	23·703
66162	23	3·473	23·221
66163	20	4·264	23·141

No.	d	x	y
66164	10	6·406	23·004
66165	11	6·810	23·403
66166	12	7·800	23·625
66167	10	7·833	23·023
66168	10	9·531	23·861
66169	10	10·442	23·439
66170	13	11·043	23·173
66171	13	12·980	23·676
66172	13	13·681	23·569
66173	11	13·942	23·607
66174	10	14·303	23·284
66175	9	14·309	23·467
66176	13	15·171	23·850
66177	12	15·442	23·167
66178	10	15·510	23·231
66179	10	16·322	23·593
66180	9	16·745	23·271
66181	12	16·814	23·897
66182	13	17·043	23·325
66183	10	17·979	23·537
66184	12	18·800	23·226
66185	13	19·261	23·654
66186	10	19·749	23·524
66187	10	20·851	23·138
66188	11	21·904	23·301
66189*	33	25·406	23·243
66190	23	1·393	24·485
66191	22	1·515	24·944
66192	15	3·150	24·141
66193	21	3·342	24·126
66194	18	3·571	24·307
66195	21	5·630	24·849
66196	13	5·660	24·920
66197	11	5·751	24·764
66198	20	7·170	24·351
66199	16	7·265	24·998
66200	10	7·712	24·494
66201	10	9·008	24·097
66202	13	9·089	24·066
66203	10	9·496	24·507
66204	10	9·515	24·322
66205	10	9·716	24·455
66206	12	9·721	24·777
66207	12	10·360	24·968
66208	11	13·210	24·264
66209	10	13·852	24·036
66210	10	14·829	24·977
66211	10	16·036	24·187
66212	10	16·123	24·387
66213	12	17·471	24·039
66214	10	17·641	24·914
66215	12	17·723	24·036
66216	10	18·271	24·895
66217	11	19·158	24·650
66218	10	19·290	24·002
66219	13	19·437	24·863
66220	12	20·915	24·215
66221	12	22·168	24·562
66222	10	22·267	24·194
66223	22	23·193	24·519
66224	11	25·076	24·091
66225	13	25·311	24·299
66226	24	2·245	25·638
66227	22	3·110	25·011
66228	22	4·945	25·873
66229	11	7·461	25·973
66230	12	7·712	25·524
66231	10	9·827	25·361
66232	12	10·337	25·856
66233	10	11·570	25·927
66234	10	12·190	25·171
66235	11	12·616	25·148
66236	10	13·310	25·521
66237	12	13·658	25·870

No.	d	x	y
66238	14	16·321	25·499
66239	11	17·298	25·379
66240	10	17·525	25·931
66241	10	17·673	25·253
66242	18	18·906	25·687
66243	10	19·025	25·073
66244	12	19·263	25·361
66245	11	19·517	25·038
66246	10	20·138	25·056
66247	19	20·950	25·957
66248	10	21·384	25·643
66249	21	22·279	25·450
66250	13	22·495	25·365
66251	11	24·131	25·876
66252	10	25·035	25·965

R. A. 21h 49m

Plate 2023 ; 1902 Sept. 8.

Provisional Constants.

A	B	C
−·00055	−·00100	−·0284
D	**E**	**F**
+·00119	−·00055	−·5210

Mag. = 16·5 − 1·36 √d

No.	d	x	y
66301	30	2·028	0·266
66302*	28	5·965	0·891
66303	22	8·227	0·864
66304	13	8·961	0·426
66305	15	9·871	0·994
66306	10	11·160	0·657
66307	12	11·747	0·785
66308	19	12·369	0·321
66309	10	16·690	0·043
66310	9	16·895	0·227
66311	8	16·932	0·256
66312	11	17·626	0·806
66313	8	17·662	0·628
66314	7	18·705	0·699
66315	10	19·431	0·622
66316	10	19·472	0·736
66317	11	19·678	0·022
66318	8	20·907	0·790
66319	12	21·471	0·701
66320	15	23·076	0·480
66321	17	23·690	0·625
66322	15	24·545	0·402
66323	17	25·731	0·323
66324	36	2·358	1·159
66325	13	4·039	1·004
66326	13	6·598	1·907
66327	12	6·680	1·949
66328	15	8·401	1·890
66329	20	8·985	1·404
66330	14	9·124	1·444
66331	9	9·366	1·774
66332	12	10·311	1·305
66333	14	10·984	1·167
66334	12	13·000	1·509
66335	8	13·287	1·135
66336	13	13·590	1·247

No.	d	x	y
66337	22	13·686	1·991
66338	14	13·896	1·857
66339	15	14·141	1·396
66340	8	16·310	1·640
66341	9	16·604	1·635
66342	7	16·791	1·724
66343	8	18·206	1·820
66344	10	19·245	1·286
66345	9	20·507	1·065
66346	12	20·576	1·339
66347	15	21·921	1·476
66348	10	22·036	1·562
66349	9	22·569	1·831
66350	10	23·029	1·858
66351	9	23·049	1·187
66352*	23	23·245	1·415
66353	14	23·560	1·270
66354	12	25·324	1·970
66355	10	3·755	2·836
66356	10	5·537	2·395
66357	9	5·995	2·829
66358	10	6·529	2·345
66359	15	7·161	2·284
66360	12	7·626	2·239
66361*	35	8·769	2·412
66362	14	9·080	2·374
66363	12	9·596	2·263
66364	9	10·061	2·965
66365	15	10·076	2·878
66366	10	10·344	2·668
66367	10	10·406	2·806
66368	14	12·032	2·839
66369	8	12·756	2·847
66370	10	13·212	2·807
66371	10	14·069	2·428
66372	8	14·955	2·015
66373	8	16·975	2·354
66374	7	18·669	2·409
66375*	30	19·309	2·322
66376	14	19·950	2·658
66377	16	21·058	2·775
66378	8	21·223	2·800
66379	12	24·545	2·341
66380*	28	25·278	2·919
66381*	50	2·586	3·983
66382	16	5·131	3·142
66383*	28	6·154	3·580
66384	12	6·243	3·635
66385*	21	6·345	3·291
66386	8	7·270	3·589
66387	8	7·358	3·348
66388	10	7·749	3·312
66389	12	9·381	3·599
66390	8	9·729	3·844
66391	15	10·105	3·672
66392	15	11·240	3·400
66393	10	11·333	3·595
66394	17	12·310	3·889
66395	12	12·574	3·185
66396	16	13·291	3·225
66397	9	13·309	3·201
66398	8	13·527	3·225
66399	8	14·180	3·200
66400	12	14·591	3·396
66401	15	15·424	3·340
66402	17	16·160	3·640
66403	13	18·226	3·469
66404	15	19·579	3·412
66405	14	19·656	3·526
66406	23	21·285	3·496
66407	11	22·592	3·702
66408	10	24·805	3·072
66409	8	25·070	3·021
66410	13	25·730	3·846

66411	38	1·023	4·306	66485	8	19·960	6·035	66559	10	4·556	10·396	66633	14	6·887	13·458	66707	12	5·583	16·418
66412	15	2·439	4·567	66486	12	20·013	6·230	66560	8	4·755	10·290	66634	18	7·620	13·295	66708	8	6·144	16·140
66413	12	2·517	4·881	66487	10	20·419	6·359	66561	9	5·729	10·105	66635	16	12·050	13·437	66709	12	6·442	16·265
66414*	41	2·605	4·035	66488	8	25·355	6·579	66562	9	6·011	10·919	66636	12	12·404	13·972	66710	8	6·914	16·917
66415	17	2·731	4·906	66489	10	25·655	6·740	66563	12	6·811	10·900	66637	21	12·724	13·853	66711	12	8·107	16·579
66416	7	2·834	4·614	66490	12	25·694	6·964	66564	15	7·889	10·455	66638	14	13·777	13·966	66712	8	9·399	16·444
66417	22	3·970	4·034	66491	14	1·426	7·116	66565	12	9·497	10·252	66639	17	16·161	13·526	66713	16	10·970	16·576
66418	12	3·985	4·897	66492	14	3·084	7·504	66566	12	9·605	10·406	66640	15	16·864	13·990	66714	14	11·060	16·795
66419	20	6·031	4·931	66493	8	4·436	7·585	66567	10	10·535	10·647	66641	16	18·371	13·159	66715	10	12·441	16·106
66420	15	7·106	4·315	66494	14	6·479	7·699	66568	23	11·148	10·045	66642	19	18·460	13·101	66716*	22	16·890	16·459
66421*	31	11·945	4·279	66495	17	6·835	7·120	66569	14	11·150	10·704	66643	12	21·056	13·790	66717	13	18·637	16·884
66422	27	13·800	4·569	66496	11	8·004	7·417	66570	20	11·432	10·444	66644	12	22·209	13·476	66718	19	19·479	16·747
66423	9	13·913	4·545	66497	12	9·280	7·329	66571	16	12·777	10·924	66645	10	23·733	13·930	66719	11	20·527	16·528
66424	8	13·998	4·591	66498	15	9·355	7·194	66572*	35	19·215	10·000	66646	10	24·781	13·947	66720	21	22·329	16·666
66425	9	17·836	4·941	66499	15	11·582	7·021	66573	14	20·141	10·939	66647	12	25·169	13·295	66721	10	23·701	16·095
66426	9	17·975	4·441	66500	11	13·811	7·008	66574	14	20·990	10·291	66648	14	0·334	14·158	66722	15	0·522	17·371
66427*	44	18·088	4·761	66501	22	14·926	7·785	66575	15	21·107	10·119	66649	32	0·355	14·510	66723	23	0·800	17·591
66428	16	18·994	4·337	66502	15	15·649	7·306	66576	8	24·937	10·467	66650	9	1·994	14·741	66724	11	3·426	17·558
66429	13	19·447	4·273	66503	15	16·807	7·858	66577	10	25·117	10·060	66651	22	3·629	14·836	66725	8	4·480	17·684
66430	8	20·815	4·819	66504	14	18·545	7·429	66578	22	25·230	10·725	66652	14	4·803	14·036	66726*	40	4·523	17·079
66431	11	22·050	4·044	66505	22	22·660	7·756	66579	9	1·096	11·898	66653	8	4·939	14·031	66727	11	6·935	17·971
66432	13	22·818	4·600	66506	8	24·601	7·869	66580	22	2·345	11·929	66654	13	6·050	14·476	66728	13	8·615	17·956
66433	14	23·430	4·708	66507	13	24·766	7·840	66581	22	2·512	11·508	66655	12	8·460	14·960	66729*	40	8·751	17·811
66434	8	24·727	4·620	66508	12	25·794	7·258	66582	9	4·092	11·466	66656	14	8·503	14·090	66730	14	10·322	17·645
66435	9	25·419	4·784	66509*	37	0·718	8·296	66583	8	4·354	11·345	66657	17	9·865	14·470	66731	15	11·396	17·081
66436*	22	25·524	4·477	66510	13	2·313	8·922	66584	11	4·411	11·862	66658	14	10·050	14·419	66732	10	13·272	17·911
66437	13	25·792	4·445	66511	20	2·382	8·654	66585	8	9·286	11·549	66659	10	10·170	14·398	66733	14	14·590	17·896
66438	16	1·104	5·729	66512	14	3·606	8·340	66586	15	9·742	11·441	66660	21	10·218	14·492	66734	14	17·696	17·800
66439	12	1·803	5·358	66513	10	4·986	8·813	66587	8	10·320	11·919	66661	19	11·182	14·763	66735	12	20·921	17·306
66440	17	2·469	5·296	66514	8	5·295	8·170	66588	19	11·735	11·310	66662	12	12·285	14·682	66736	10	21·687	17·191
66441	23	2·734	5·956	66515	15	5·733	8·225	66589	16	12·150	11·386	66663	13	12·454	14·700	66737*	35	21·972	17·160
66442	14	3·641	5·193	66516	12	5·935	8·400	66590	14	12·185	11·488	66664	14	12·760	14·687	66738	9	22·231	17·226
66443	8	4·960	5·164	66517	17	7·239	8·680	66591	16	13·442	11·437	66665*	42	15·920	14·153	66739	14	22·850	17·759
66444	11	5·467	5·536	66518	15	8·875	8·619	66592	15	14·484	11·288	66666*	35	16·794	14·477	66740	11	22·940	17·477
66445*	30	5·650	5·360	66519	10	9·734	8·124	66593	19	17·028	11·209	66667	10	17·381	14·717	66741*	29	23·054	17·569
66446	20	5·656	5·849	66520	11	10·384	8·803	66594	11	19·346	11·095	66668	14	17·800	14·488	66742	9	23·431	17·332
66447	18	5·975	5·790	66521	18	15·735	8·935	66595	11	19·690	11·664	66669*	20	19·154	14·900	66743	12	23·550	17·184
66448	21	7·642	5·454	66522	16	15·896	8·461	66596	9	21·782	11·655	66670	14	20·211	14·046	66744	10	25·233	17·625
66449	8	7·875	5·290	66523	15	16·950	8·919	66597	10	21·786	11·653	66671	12	21·633	14·586	66745	20	25·438	17·730
66450	12	7·891	5·932	66524*	32	17·891	8·460	66598	14	22·646	11·690	66672	12	21·815	14·594	66746	32	0·223	18·397
66451	10	10·058	5·944	66525*	20	21·435	8·659	66599*	40	0·222	12·618	66673	10	22·246	14·505	66747	8	2·896	18·439
66452	10	10·606	5·221	66526	8	21·605	8·413	66600	12	1·268	12·747	66674	9	22·593	14·078	66748	31	3·964	18·882
66453	9	12·454	5·560	66527*	23	23·521	8·932	66601	21	2·175	12·747	66675	22	22·724	14·785	66749	11	5·344	18·845
66454	20	12·699	5·824	66528	12	23·756	8·766	66602	8	2·241	12·565	66676	10	23·378	14·407	66750	16	5·867	18·547
66455	14	13·319	5·534	66529	32	0·729	9·355	66603	18	4·110	12·370	66677	8	24·086	14·331	66751	9	7·446	18·786
66456	11	14·889	5·451	66530	10	2·837	9·894	66604	8	4·121	12·282	66678	8	25·010	14·083	66752	20	10·001	18·473
66457	10	18·616	5·441	66531	14	2·894	9·422	66605	13	8·962	12·681	66679*	32	25·874	14·247	66753	10	10·279	18·936
66458	14	19·469	5·125	66532	10	2·921	9·831	66606	10	9·797	12·085	66680	37	0·132	15·815	66754	9	12·570	18·505
66459	8	19·755	5·026	66533	14	3·985	9·740	66607	14	10·939	12·624	66681	10	1·372	15·129	66755	23	13·592	18·991
66460*	32	21·111	5·353	66534	8	5·744	9·040	66608	14	11·296	12·741	66682	19	2·260	15·865	66756	10	14·458	18·308
66461	12	21·658	5·528	66535	12	6·036	9·249	66609	21	12·281	12·148	66683	19	2·545	15·518	66757	12	16·514	18·058
66462	7	21·666	5·261	66536	10	7·016	9·487	66610	17	18·841	12·040	66684	8	3·935	15·572	66758	12	20·706	18·193
66463	12	21·684	5·283	66537	9	7·154	9·567	66611	14	19·406	12·434	66685	9	5·426	15·300	66759	17	20·719	18·168
66464	8	21·961	5·854	66538	13	7·355	9·243	66612	13	21·155	12·456	66686*	25	7·105	15·132	66760	14	21·860	18·978
66465	12	22·550	5·754	66539	9	7·382	9·753	66613	12	22·369	12·869	66687	19	7·545	15·001	66761	22	22·265	18·492
66466	16	2·166	6·559	66540	10	8·201	9·724	66614	8	22·459	12·266	66688	12	7·944	15·977	66762	14	25·276	18·499
66467	9	2·734	6·587	66541	12	8·463	9·082	66615	8	23·194	12·043	66689	15	13·168	15·421	66763	10	3·875	19·814
66468	11	2·875	6·690	66542	12	9·281	9·695	66616	23	24·280	12·818	66690	14	15·554	15·850	66764	16	4·075	19·885
66469	32	3·154	6·615	66543	10	10·066	9·019	66617	8	25·594	12·361	66691	16	16·419	15·272	66765*	30	5·176	19·439
66470	14	4·569	6·307	66544	20	12·001	9·818	66618	21	25·895	12·202	66692	14	17·806	15·120	66766	9	5·456	19·426
66471	11	5·065	6·615	66545	22	12·896	9·920	66619	12	0·295	13·269	66693	19	18·623	15·440	66767	8	5·794	19·926
66472*	23	5·137	6·184	66546	15	13·454	9·261	66620	21	0·741	13·954	66694	12	18·891	15·509	66768	11	6·104	19·535
66473	12	5·716	6·737	66547	20	14·705	9·408	66621	12	1·596	13·479	66695	15	19·290	15·119	66769	19	9·141	19·045
66474	15	6·874	6·754	66548	12	19·739	9·066	66622	10	1·666	13·565	66696	17	19·303	15·116	66770	9	10·715	19·432
66475	22	6·909	6·331	66549	14	19·999	9·438	66623	13	1·677	13·329	66697	19	19·423	15·078	66771	10	10·737	19·571
66476	15	7·158	6·555	66550	10	22·466	9·037	66624	19	1·861	13·486	66698	15	19·834	15·749	66772	12	11·040	19·745
66477	15	8·321	6·116	66551	19	23·265	9·873	66625	12	3·827	13·815	66699	12	21·578	15·510	66773*	22	12·048	19·367
66478	9	11·832	6·111	66552	8	23·914	9·151	66626	9	4·389	13·200	66700	10	21·696	15·149	66774*	30	12·505	19·820
66479*	31	11·926	6·422	66553	12	24·823	9·904	66627	10	5·486	13·775	66701	13	23·170	15·605	66775	14	13·840	19·381
66480	13	12·541	6·239	66554	32	0·649	10·020	66628	10	5·659	13·121	66702	8	23·489	15·809	66776	9	14·974	19·872
66481	13	16·882	6·978	66555	31	1·525	10·086	66629	9	5·831	13·850	66703	8	24·699	15·442	66777	21	15·538	19·649
66482	14	18·145	6·983	66556	8	2·395	10·645	66630	12	6·052	13·749	66704	14	1·565	16·596	66778*	38	16·350	19·671
66483	8	18·334	6·206	66557	8	4·089	10·960	66631	14	6·379	13·812	66705	11	1·828	16·964	66779	29	16·570	19·981
66484*	22	19·641	6·829	66558	8	4·200	10·168	66632	12	6·826	13·531	66706	13	2·365	16·993	66780	11	16·887	19·082

R. A. 21h 58m

Plate 2021 ; 1902 Sept. 8.

Provisional Constants.

A	B	C
−·00050	+·00224	+·3754

D	E	F
−·00194	−·00053	+·2655

Mag. = 16·2 − 1·36 √*d*

No.	d	x	y
66781	14	17·830	19·002
66782	12	19·591	19·327
66783*	32	20·847	19·276
66784	8	25·370	19·089
66785	14	4·036	20·423
66786	8	5·751	20·155
66787	9	6·293	20·367
66788	20	8·687	20·990
66789	8	10·256	20·479
66790	7	12·065	20·961
66791	9	12·275	20·414
66792	11	12·470	20·027
66793	9	12·486	20·440
66794	7	13·571	20·600
66795	14	14·220	20·627
66796	11	14·434	20·860
66797	20	15·424	20·017
66798	10	16·429	20·835
66799	13	16·974	20·718
66800	10	19·857	20·850
66801	9	21·121	20·664
66802	13	21·793	20·985
66803	21	22·058	20·619
66804	8	23·552	20·166
66805	20	24·221	20·330
66806	15	1·781	21·432
66807	9	3·231	21·023
66808	14	6·904	21·731
66809	10	7·332	21·963
66810	8	7·487	21·639
66811	14	7·863	21·650
66812	12	8·040	21·967
66813	8	8·453	21·161
66814	10	8·975	21·236
66815	9	9·086	21·456
66816	19	10·015	21·148
66817	13	10·920	21·335
66818	9	11·959	21·726
66819	10	12·309	21·486
66820	14	13·974	21·143
66821	31	15·459	21·609
66822*	37	16·977	21·870
66823	8	17·575	21·151
66824	14	17·644	21·575
66825	21	20·720	21·287
66826	18	21·489	21·599
66827	17	24·235	21·676
66828	9	25·213	21·002
66829	12	25·666	21·250
66830	35	0·990	22·337
66831	28	1·520	22·785
66832	19	3·149	22·141
66833	23	3·474	22·743
66834	19	4·486	22·809
66835	14	4·781	22·166
66836	10	8·106	22·265
66837	10	8·915	22·572
66838	8	9·154	22·324
66839	19	10·355	22·900
66840	14	13·771	22·637
66841	9	14·314	22·069
66842	8	14·988	22·932
66843	8	15·069	22·326
66844*	41	16·352	22·837
66845*	42	16·818	22·885
66846	8	16·900	22·677
66847	7	17·534	22·289
66848	12	18·050	22·322
66849	12	18·056	22·327
66850	10	21·219	22·406
66851	9	22·980	22·040
66852	8	23·301	22·747
66853	8	23·325	22·490
66854	11	24·800	22·712

No.	d	x	y
66855	15	24·815	22·870
66856	20	2·198	23·915
66857*	40	2·509	23·056
66858	7	9·574	23·586
66859	8	11·093	23·092
66860	9	12·690	23·075
66861	11	13·873	23·504
66862	8	15·275	23·706
66863	16	16·235	23·490
66864	21	16·309	23·490
66865	13	16·609	23·854
66866	8	16·871	23·642
66867	9	17·560	23·344
66868	14	18·745	23·547
66869	15	19·596	23·873
66870	8	19·837	23·586
66871	14	20·518	23·811
66872	10	21·874	23·579
66873	14	23·310	23·996
66874	48	0·325	24·384
66875	18	2·441	24·115
66876	15	3·227	24·055
66877	27	3·673	24·607
66878	13	5·115	24·957
66879	19	6·064	24·859
66880	14	7·424	24·983
66881	12	9·216	24·719
66882	11	10·520	24·395
66883	11	11·240	24·595
66884	22	13·391	24·507
66885	8	14·523	24·575
66886	14	14·616	24·418
66887	8	15·314	24·220
66888	12	16·219	24·088
66889	22	16·925	24·112
66890	10	17·648	24·939
66891	10	17·764	24·158
66892	18	18·788	24·856
66893	21	20·870	24·742
66894	11	22·149	24·266
66895	10	23·598	24·246
66896	8	24·149	24·049
66897	16	24·245	24·687
66898	21	24·702	24·175
66899	11	24·832	24·001
66900	17	4·733	25·474
66901	14	5·462	25·917
66902	8	8·152	25·021
66903	14	8·529	25·974
66904	10	14·644	25·215
66905	9	17·516	25·429
66906	11	17·640	25·582
66907	12	18·058	25·768
66908	11	19·846	25·948
66909	13	21·239	25·176
66910	12	21·712	25·490
66911	20	22·981	25·282
66912	15	23·742	25·515

No.	d	x	y
67001	25	3·050	0·029
67002	15	4·548	0·891
67003	19	6·176	0·301
67004	10	9·010	0·322
67005	10	10·781	0·162
67006	9	11·020	0·120
67007	10	11·486	0·686
67008	11	11·729	0·841
67009	13	13·132	0·399
67010	10	13·219	0·156
67011	12	13·363	0·760
67012	11	13·477	0·177
67013	11	14·360	0·483
67014	14	15·442	0·457
67015	11	16·147	0·801
67016	12	16·403	0·137
67017	14	16·557	0·593
67018	11	16·691	0·235
67019	10	16·957	0·157
67020	10	17·030	0·920
67021	10	18·554	0·400
67022	10	19·678	0·706
67023	11	23·130	0·344
67024	13	23·171	0·580
67025	18	23·295	0·470
67026	22	0·110	1·270
67027	20	0·724	1·400
67028	15	2·759	1·051
67029	13	4·834	1·592
67030*	40	4·912	1·929
67031	11	6·461	1·398
67032	13	8·301	1·140
67033	10	10·354	1·010
67034	10	12·155	1·275
67035	10	12·706	1·611
67036	10	12·754	1·472
67037	10	12·810	1·798
67038	16	15·725	1·789
67039	10	17·588	1·828
67040	12	18·278	1·950
67041	10	19·001	1·802
67042	12	19·473	1·120
67043	20	22·492	1·689
67044	12	23·046	1·667
67045	20	23·248	1·792
67046	12	24·924	1·539
67047	31	0·299	2·200
67048	12	0·609	2·044
67049	12	2·389	2·705
67050	10	2·781	2·711
67051	14	4·701	2·854
67052*	15	4·755	2·591
67053	18	5·908	2·699
67054*	25	6·721	2·323
67055	12	7·204	2·344
67056	10	10·340	2·691

No.	d	x	y
67057*	15	10·650	2·314
67058	12	11·757	2·450
67059	11	11·770	2·739
67060	10	12·666	2·060
67061	12	14·093	2·020
67062*	27	14·291	2·857
67063	10	15·000	2·186
67064	11	15·063	2·809
67065	11	17·920	2·178
67066	13	21·507	2·796
67067	13	22·744	2·406
67068	10	23·369	2·730
67069*	30	23·835	2·280
67070*	17	25·509	2·501
67071	12	25·569	2·057
67072	13	25·945	2·813
67073	15	1·622	3·096
67074	11	2·165	3·764
67075*	33	2·367	3·656
67076	10	4·652	3·589
67077	10	5·510	3·412
67078	10	5·742	3·988
67079	20	5·939	3·260
67080	10	6·430	3·297
67081	10	6·716	3·465
67082	16	7·042	3·330
67083	11	7·139	3·790
67084	12	8·473	3·232
67085	10	11·368	3·712
67086	11	12·581	3·348
67087*	21	14·636	3·737
67088	17	16·650	3·290
67089	10	17·176	3·834
67090	10	17·777	3·573
67091	12	18·161	3·681
67092	25	18·494	3·072
67093	14	19·629	3·871
67094	20	20·176	3·386
67095	10	20·395	3·802
67096	10	20·646	3·336
67097	10	20·963	3·831
67098	13	22·732	3·085
67099	13	23·720	3·426
67100	11	25·383	3·112
67101*	20	25·553	3·389
67102	19	4·293	4·167
67103	10	4·547	4·195
67104	12	5·184	4·713
67105	10	6·328	4·959
67106	11	6·603	4·896
67107	10	6·841	4·539
67108	10	8·463	4·562
67109*	20	8·665	4·668
67110*	37	9·580	4·543
67111	12	9·775	4·700
67112	14	10·248	4·690
67113	10	10·850	4·489
67114	14	11·843	4·644
67115	13	13·542	4·126
67116*	45	14·317	4·696
67117	10	14·561	4·415
67118	16	16·914	4·774
67119	19	17·603	4·760
67120	13	18·091	4·617
67121*	26	19·480	4·756
67122	14	20·490	4·520
67123	10	22·505	4·263
67124	10	23·020	4·449
67125	11	23·046	4·181
67126	13	23·116	4·217
67127	10	23·851	4·592
67128	10	25·651	4·760
67129	22	0·561	5·488
67130	11	2·550	5·517

No.	d	x	y
67131*	25	2·648	5·210
67132	16	2·917	5·170
67133	11	3·471	5·796
67134*	28	3·890	5·411
67135	15	5·090	5·522
67136	11	7·070	5·947
67137	10	8·310	5·786
67138	10	8·391	5·777
67139	11	9·445	5·364
67140	11	10·053	5·072
67141	9	11·486	5·082
67142	10	12·409	5·499
67143	12	13·420	5·641
67144	12	13·652	5·544
67145	10	13·746	5·055
67146	17	13·911	5·770
67147	17	17·237	5·101
67148	20	18·875	5·556
67149	16	20·988	5·014
67150	10	21·162	5·488
67151*	17	21·369	5·749
67152	10	21·835	5·680
67153*	16	22·259	5·900
67154	11	22·848	5·075
67155	11	23·589	5·151
67156	11	24·383	5·472
67157	11	25·359	5·215
67158	11	3·899	6·225
67159	13	7·401	6·542
67160	13	7·605	6·438
67161*	20	7·690	6·591
67162	11	9·497	6·777
67163	18	9·701	6·058
67164	20	10·550	6·031
67165	14	11·542	6·889
67166	12	12·144	6·171
67167	17	13·553	6·428
67168	10	16·008	6·465
67169	13	16·792	6·788
67170*	38	17·276	6·111
67171	14	17·285	6·724
67172	13	18·864	6·129
67173	10	19·561	6·444
67174	12	23·249	6·019
67175*	27	23·939	6·564
67176	13	24·591	6·209
67177	10	2·528	7·312
67178	11	2·833	7·468
67179	13	2·878	7·691
67180	11	2·983	7·981
67181	18	4·892	7·800
67182	19	5·866	7·322
67183	13	5·922	7·065
67184	20	6·313	7·854
67185	19	6·542	7·140
67186	10	7·893	7·842
67187	11	9·071	7·624
67188	12	9·529	7·413
67189	13	12·242	7·529
67190	13	12·390	7·541
67191*	45	15·651	7·369
67192	14	17·830	7·625
67193*	22	18·165	7·645
67194*	20	18·554	7·643
67195	10	21·147	7·491
67196	12	21·818	7·354
67197	20	22·040	7·397
67198	13	25·214	7·206
67199	17	1·969	8·588
67200*	25	3·955	8·971
67201	12	7·184	8·538
67202	14	8·468	8·810
67203	11	9·990	8·391
67204	13	10·456	8·740

67205	10	19·609	8·130	67279	12	21·905	12·860	67353	10	24·084	15·920	67427	10	13·637	18·740	67501	10	16·013	21·291
67206	11	19·781	8·219	67280	28	1·599	13·574	67354	10	24·349	15·114	67428	10	13·832	18·261	67502	17	16·138	21·874
67207	16	19·969	8·289	67281	11	2·903	13·090	67355	19	0·554	16·390	67429	9	14·939	18·091	67503	11	18·223	21·270
67208	12	21·425	8·207	67282	11	4·096	13·507	67356	13	0·876	16·584	67430	10	15·567	18·727	67504	10	18·810	21·109
67209*	27	23·057	8·850	67283	13	4·198	13·346	67357	13	1·096	16·863	67431	10	19·252	18·420	67505	13	19·911	21·671
67210	13	25·808	8·385	67284	13	4·284	13·613	67358	14	4·265	16·572	67432	12	19·621	18·655	67506	10	20·461	21·666
67211*	23	0·751	9·709	67285	13	5·410	13·371	67359	11	6·093	16·356	67433	20	20·470	18·770	67507	24	21·951	21·516
67212	18	0·980	9·537	67286	13	6·316	13·847	67360	11	6·679	16·239	67434	20	20·732	18·530	67508	10	22·198	21·676
67213	12	1·149	9·921	67287	10	6·340	13·260	67361	12	8·536	16·830	67435*	16	21·768	18·639	67509	13	22·882	21·074
67214	12	3·738	9·981	67288	12	6·410	13·705	67362	14	9·835	16·090	67436	14	21·809	18·680	67510	12	24·772	21·288
67215	10	3·844	9·086	67289	13	7·710	13·491	67363	13	10·425	16·623	67437	10	22·645	18·091	67511	10	25·526	21·571
67216	13	5·399	9·412	67290	14	8·224	13·388	67364	22	10·750	16·880	67438	8	23·526	18·414	67512	22	1·761	22·432
67217	10	5·534	9·071	67291	19	8·542	13·211	67365	14	11·852	16·549	67439	10	25·420	18·563	67513	10	4·251	22·301
67218	10	6·559	9·511	67292*	46	9·482	13·891	67366	13	16·046	16·806	67440	10	25·730	18·391	67514	11	4·857	22·240
67219	14	7·459	9·222	67293	12	11·321	13·913	67367	10	16·631	16·264	67441	10	25·833	18·138	67515	11	4·959	22·318
67220	11	8·150	9·509	67294	11	11·459	13·805	67368	10	18·042	16·997	67442	14	2·726	19·232	67516	18	5·060	22·655
67221	12	8·820	9·891	67295	20	12·765	13·614	67369	15	19·420	16·216	67443	14	2·836	19·821	67517	11	5·322	22·690
67222	13	13·159	9·596	67296	14	17·240	13·337	67370	10	20·500	16·899	67444	14	4·711	19·719	67518	12	5·424	22·479
67223	22	14·651	9·190	67297*	23	17·805	13·689	67371	10	20·796	16·703	67445	10	6·236	19·504	67519	10	6·698	22·225
67224	16	15·473	9·420	67298	10	21·111	13·375	67372	12	21·100	16·550	67446	10	6·556	19·295	67520	13	7·196	22·510
67225	11	17·015	9·291	67299	20	21·410	13·328	67373*	27	21·230	16·742	67447	12	6·773	19·180	67521	10	9·674	22·893
67226	13	17·675	9·380	67300	10	22·059	13·458	67374	20	24·592	16·716	67448	19	6·780	19·905	67522	20	10·573	22·091
67227	21	18·509	9·106	67301	13	23·041	13·616	67375	13	24·722	16·197	67449	11	7·085	19·867	67523	10	10·578	22·695
67228	10	19·981	9·440	67302	12	23·296	13·057	67376	17	0·972	17·958	67450	10	7·657	19·293	67524	11	12·267	22·423
67229	11	21·514	9·875	67303	10	23·701	13·826	67377	10	3·818	17·855	67451	9	9·000	19·756	67525	10	12·756	22·921
67230	11	24·352	9·861	67304	13	24·525	13·441	67378	12	3·912	17·977	67452	11	9·990	19·777	67526	9	12·981	22·917
67231	11	25·573	9·929	67305	10	24·955	13·463	67379	10	3·914	17·007	67453	18	10·441	19·819	67527	11	17·103	22·570
67232	12	25·875	9·029	67306	17	25·789	13·408	67380	10	4·650	17·533	67454	10	11·926	19·640	67528	10	17·936	22·889
67233	25	0·516	10·655	67307	14	1·078	14·700	67381	18	5·050	17·182	67455	10	12·565	19·807	67529	10	18·861	22·660
67234	18	2·072	10·651	67308	12	2·126	14·693	67382	10	5·219	17·257	67456	13	13·443	19·091	67530	10	18·985	22·975
67235	12	2·373	10·801	67309	14	2·360	14·820	67383	16	5·514	17·941	67457	10	16·364	19·750	67531	17	19·575	22·061
67236	12	5·774	10·224	67310	15	2·498	14·031	67384	11	6·278	17·343	67458	18	16·703	19·329	67532	8	21·998	22·862
67237	18	5·960	10·971	67311*	40	3·226	14·966	67385	13	6·549	17·744	67459	10	18·122	19·327	67533	11	22·029	22·669
67238	19	9·299	10·442	67312	10	4·126	14·301	67386	12	7·270	17·701	67460	10	18·290	19·440	67534	15	23·636	22·470
67239	19	10·780	10·856	67313	12	4·411	14·668	67387	11	7·357	17·256	67461	11	18·866	19·238	67535	20	23·746	22·703
67240	15	11·520	10·670	67314	10	5·693	14·217	67388	10	7·436	17·451	67462	10	21·077	19·217	67536	10	23·793	22·407
67241	16	13·753	10·451	67315	10	6·703	14·205	67389	12	8·898	17·398	67463*	20	21·566	19·848	67537	11	24·272	22·410
67242	12	14·621	10·379	67316	14	9·901	14·801	67390	13	10·507	17·097	67464	11	22·268	19·397	67538	15	24·459	22·516
67243	15	16·533	10·489	67317	12	11·111	14·811	67391	13	10·919	17·707	67465	11	25·964	19·332	67539	16	25·076	22·310
67244	19	20·632	10·112	67318	20	11·635	14·614	67392	12	11·685	17·534	67466	15	1·041	20·940	67540	14	2·352	23·459
67245	11	21·171	10·762	67319	12	11·897	14·457	67393	14	11·821	17·791	67467	10	5·136	20·921	67541	17	2·369	23·611
67246	12	21·456	10·013	67320	12	15·838	14·801	67394	11	12·308	17·136	67468	11	6·256	20·321	67542	14	4·985	23·316
67247	11	23·910	10·821	67321	17	15·929	14·861	67395	10	12·692	17·496	67469	9	10·821	20·579	67543	11	7·395	23·911
67248	10	24·919	10·189	67322	14	16·049	14·973	67396*	30	15·220	17·809	67470	11	10·946	20·256	67544	10	7·644	23·544
67249	11	25·935	10·030	67323	14	17·017	14·060	67397	11	15·425	17·548	67471	10	11·837	20·731	67545	11	7·932	23·588
67250	11	2·202	11·211	67324	17	18·219	14·006	67398	12	15·786	17·808	67472	11	12·440	20·892	67546	10	8·704	23·330
67251	23	2·500	11·459	67325*	20	18·335	14·969	67399	12	16·227	17·871	67473	9	13·530	20·435	67547	21	10·007	23·862
67252	14	4·850	11·100	67326	10	19·449	14·219	67400	11	18·566	17·490	67474	11	14·406	20·728	67548	9	10·451	23·641
67253	20	6·519	11·330	67327	11	19·901	14·756	67401	22	19·576	17·229	67475	10	14·932	20·059	67549	12	10·678	23·696
67254	13	6·874	11·868	67328	11	19·985	14·100	67402	12	20·150	17·426	67476	10	15·326	20·887	67550	10	10·866	23·318
67255	13	11·105	11·787	67329	10	20·808	14·164	67403	11	21·903	17·966	67477	14	16·238	20·994	67551	14	11·031	23·987
67256	14	12·184	11·624	67330*	19	22·879	14·709	67404	19	24·087	17·619	67478	12	16·312	20·250	67552	10	11·357	23·721
67257	20	13·055	11·591	67331	19	23·030	14·751	67405	10	24·604	17·433	67479	13	18·542	20·138	67553	10	11·421	23·891
67258	12	13·349	11·858	67332	10	25·220	14·540	67406	14	25·694	17·416	67480*	33	19·147	20·035	67554	10	13·003	23·863
67259	12	13·357	11·876	67333	25	0·089	15·576	67407	22	0·285	18·549	67481	10	21·947	20·229	67555	10	13·128	23·071
67260	15	14·881	11·602	67334	14	0·734	15·186	67408	17	0·369	18·267	67482	14	23·581	20·876	67556	10	13·700	23·931
67261	16	16·771	11·431	67335	11	1·439	15·091	67409	48	0·485	18·353	67483	23	1·714	21·090	67557	17	14·894	23·537
67262	11	18·847	11·097	67336	16	3·820	15·870	67410	13	0·857	18·108	67484	13	2·723	21·737	67558	20	15·797	23·252
67263	12	19·126	11·228	67337	12	4·461	15·731	67411	12	2·665	18·359	67485	14	3·181	21·972	67559	10	15·963	23·533
67264	13	19·917	11·617	67338	10	4·754	15·377	67412	20	2·870	18·461	67486	10	3·988	21·780	67560	15	16·129	23·038
67265	13	21·765	11·878	67339	10	5·259	15·044	67413	10	4·437	18·864	67487	12	4·439	21·162	67561	19	16·330	23·578
67266	14	23·238	11·438	67340	10	5·741	15·671	67414	20	4·580	18·797	67488	10	5·020	21·029	67562	13	16·902	23·924
67267	11	23·434	11·160	67341	16	6·179	15·263	67415	20	5·238	18·621	67489	11	6·358	21·061	67563	9	17·488	23·840
67268	12	25·242	11·119	67342	11	8·326	15·856	67416	11	5·537	18·651	67490	10	7·322	21·922	67564	10	18·032	23·660
67269	12	25·438	11·209	67343	12	10·771	15·574	67417	10	7·588	18·434	67491	19	9·059	21·072	67565	10	18·425	23·793
67270	13	0·493	12·828	67344	14	13·110	15·242	67418	10	8·981	18·994	67492*	21	9·076	21·479	67566	12	18·787	23·781
67271	20	3·199	12·922	67345	13	13·448	15·710	67419	13	9·232	18·801	67493	14	10·149	21·640	67567	10	18·820	23·350
67272	20	4·987	12·225	67346	12	16·207	15·793	67420	10	10·173	18·207	67494	10	10·232	21·125	67568	15	19·156	23·771
67273*	49	9·086	12·892	67347	23	16·693	15·510	67421	11	10·714	18·190	67495	10	12·838	21·860	67569	13	19·680	23·753
67274	12	11·051	12·242	67348	20	17·096	15·206	67422	10	11·123	18·391	67496*	21	12·989	21·031	67570	10	19·971	23·891
67275	13	12·555	12·572	67349	15	20·825	15·240	67423	12	11·190	18·974	67497	13	13·688	21·675	67571	20	20·560	23·677
67276	26	13·232	12·452	67350	20	21·181	15·142	67424	11	12·070	18·401	67498	10	13·891	21·084	67572	10	21·003	23·765
67277	20	14·411	12·428	67351	14	23·446	15·681	67425	18	12·138	18·680	67499	19	14·479	21·410	67573	12	22·839	23·294
67278	13	19·005	12·481	67352	14	23·707	15·093	67426	29	12·851	18·651	67500	11	15·034	21·969	67574	14	23·621	23·891

67575*	28	24·667	23·345
67576	27	2·286	24·922
67577	19	5·143	24·756
67578*	28	6·925	24·556
67579	14	8·138	24·942
67580	10	8·151	24·926
67581	10	8·517	24·964
67582	11	9·044	24·104
67583	10	9·126	24·792
67584	10	10·366	24·088
67585	11	12·539	24·990
67586	10	12·912	24·546
67587	11	13·148	24·409
67588	12	13·943	24·651
67589	10	17·793	24·463
67590	20	18·468	24·830
67591	10	19·207	24·135
67592*	23	21·673	24·030
67593	16	25·940	24·747
67594*	52	4·749	25·339
67595	15	5·500	25·422
67596	14	7·749	25·157
67597	16	8·590	25·799
67598	18	11·145	25·537
67599	12	13·785	25·079
67600	11	13·791	25·705
67601	11	14·031	25·716
67602	13	16·613	25·651
67603	20	18·344	25·106
67604	14	19·553	25·948
67605	12	19·805	25·276
67606	11	20·058	25·170
67607	12	20·513	25·836
67608	10	20·620	25·011
67609	12	21·817	25·485
67610	18	22·269	25·042
67611	10	22·328	25·411
67612	14	22·861	25·407
67613	24	24·289	25·866

R. A. 22h 7m

Plate 2024 ; 1902 Sept. 8.

Provisional Constants.

A	B	C
−·00055	+·00645	−·3770
D	**E**	**F**
−·00635	−·00069	−·2433

Mag. = 16·5 − 1·36 $\sqrt{d}$

No.	d	x	y
67701	22	2·686	0·300
67702	15	3·796	0·723
67703	10	4·702	0·362
67704	10	5·606	0·710
67705	10	6·230	0·802
67706	17	7·048	0·676
67707	10	7·322	0·620
67708	10	7·846	0·485
67709	10	8·067	0·682
67710*	22	9·000	0·435
67711	11	10·408	0·757
67712	12	10·720	0·482
67713	15	11·055	0·210
67714	15	11·150	0·281
67715	10	13·270	0·003
67716	11	15·101	0·910
67717	17	16·589	0·368
67718	12	22·751	0·043
67719	11	24·226	0·176
67720	13	25·383	0·727
67721	19	0·801	1·071
67722	20	3·084	1·182
67723*	22	3·100	1·571
67724*	23	6·373	1·061
67725*	23	7·284	1·287
67726	12	8·768	1·267
67727	11	9·081	1·760
67728	13	10·248	1·704
67729*	51	10·930	1·418
67730	10	11·484	1·591
67731	19	12·617	1·123
67732	22	12·730	1·241
67733	22	15·812	1·794
67734*	39	18·500	1·950
67735	11	18·871	1·479
67736	12	21·823	1·563
67737	11	22·773	1·110
67738	10	22·791	1·869
67739	20	1·301	2·635
67740*	27	1·410	2·021
67741*	30	1·476	2·908
67742	13	1·852	2·324
67743	12	3·794	2·778
67744	10	4·246	2·228
67745	15	4·505	2·351
67746	10	4·763	2·088
67747	10	6·436	2·073
67748	12	8·801	2·774
67749	10	9·311	2·298
67750*	25	9·983	2·189
67751	18	10·884	2·379
67752	13	12·101	2·311
67753	10	13·861	2·282
67754	13	13·871	2·797
67755	19	13·897	2·277
67756	11	14·549	2·330
67757	22	18·583	2·912
67758	10	19·124	2·313
67759	22	19·475	2·705
67760	11	20·738	2·558
67761	10	21·304	2·768
67762	10	21·357	2·774
67763	21	21·680	2·286
67764	18	21·820	2·856
67765	11	24·491	2·165
67766	19	24·516	2·168
67767	12	25·256	2·040
67768	22	2·144	3·735
67769	10	5·615	3·493
67770	10	7·448	3·073
67771*	22	7·528	3·077
67772	12	8·232	3·590
67773	11	12·567	3·136
67774	10	12·628	3·170
67775	22	14·271	3·979
67776	12	17·620	3·618
67777	22	19·351	3·893
67778	14	21·507	3·633
67779	10	22·290	3·767
67780	10	22·326	3·901
67781	12	22·520	3·547
67782	10	23·728	3·432
67783	13	24·039	3·052
67784	11	25·117	3·201
67785	13	2·301	4·795
67786	12	6·145	4·298
67787	10	6·887	4·320
67788	12	7·505	4·501
67789	12	7·513	4·689
67790	12	7·795	4·092
67791	13	8·358	4·406
67792	15	9·183	4·191
67793	11	9·337	4·086
67794*	42	10·015	4·544
67795	12	12·136	4·302
67796	28	13·304	4·036
67797	24	13·980	4·279
67798*	25	14·595	4·334
67799	11	15·013	4·662
67800	22	16·243	4·285
67801*	32	17·120	4·654
67802	12	17·750	4·296
67803	11	19·985	4·991
67804*	28	20·528	4·020
67805	12	21·561	4·454
67806	10	23·071	4·141
67807	11	24·310	4·661
67808	12	25·125	4·209
67809	15	0·358	5·018
67810	17	3·486	5·174
67811	12	4·793	5·689
67812	12	6·149	5·139
67813	22	6·160	5·982
67814	10	6·234	5·302
67815*	20	6·740	5·287
67816	22	6·750	5·140
67817	12	7·730	5·276
67818	11	9·571	5·631
67819	9	10·097	5·432
67820	12	10·880	5·534
67821	11	12·551	5·056
67822	22	14·156	5·166
67823*	24	16·311	5·651
67824	12	17·082	5·050
67825	10	17·712	5·192
67826	12	19·890	5·461
67827	10	19·900	5·551
67828	10	20·306	5·248
67829	12	24·333	5·450
67830	10	24·901	5·271
67831	12	25·679	5·376
67832	22	1·230	6·731
67833	16	4·418	6·562
67834	12	4·653	6·750
67835	10	5·131	6·874
67836	11	6·285	6·447
67837	13	8·446	6·531
67838	16	10·621	6·518
67839	14	14·492	6·945
67840	13	15·575	6·943
67841*	39	16·658	6·254
67842	13	19·233	6·735
67843	11	21·991	6·398
67844*	22	22·542	6·355
67845	19	24·206	6·785
67846	12	25·156	6·280
67847	21	1·851	7·896
67848	10	5·506	7·712
67849	11	6·015	7·570
67850	10	7·900	7·418
67851	10	8·130	7·058
67852	12	8·171	7·486
67853	13	8·601	7·153
67854	10	13·002	7·122
67855	10	14·790	7·647
67856	12	14·871	7·432
67857	15	15·431	7·349
67858	19	16·194	7·326
67859	13	17·447	7·936
67860	12	19·827	7·537
67861	11	21·458	7·830
67862	10	22·071	7·742
67863	10	22·427	7·276
67864	10	23·035	7·969
67865	10	23·335	7·401
67866	12	23·437	7·103
67867	10	25·077	7·131
67868	12	25·340	7·634
67869	10	25·496	7·433
67870	11	25·966	7·157
67871	17	1·936	8·538
67872	10	5·185	8·463
67873	11	5·562	8·408
67874	12	6·137	8·453
67875	13	6·750	8·816
67876	10	8·368	8·118
67877	12	11·025	8·500
67878	22	11·935	8·562
67879	12	15·140	8·068
67880	12	15·577	8·825
67881	22	16·136	8·866
67882	15	19·420	8·304
67883	22	20·240	8·296
67884	10	20·351	8·281
67885	11	20·820	8·382
67886	10	21·361	8·592
67887	22	21·911	8·029
67888	11	24·770	8·368
67889	13	24·815	8·721
67890	15	0·435	9·408
67891	19	1·657	9·443
67892	10	2·020	9·537
67893	14	2·814	9·615
67894	12	3·323	9·377
67895	12	5·439	9·882
67896	12	6·591	9·462
67897	12	12·669	9·748
67898	12	17·881	9·768
67899	16	18·705	9·625
67900	13	18·710	9·771
67901	30	21·355	9·616
67902	10	25·771	9·192
67903	22	0·017	10·377
67904	16	1·355	10·641
67905	20	1·552	10·728
67906	14	2·405	10·850
67907	13	2·734	10·484
67908	10	2·775	10·544
67909	10	3·007	10·612
67910	11	3·493	10·027
67911	16	3·966	10·896
67912	10	6·690	10·152
67913	10	6·780	10·086
67914	10	7·303	10·995
67915	10	8·120	10·517
67916	10	8·375	10·373
67917	11	8·836	10·516
67918	12	9·391	10·345
67919	12	11·484	10·546
67920	21	12·216	10·841
67921	11	12·406	10·858
67922	11	13·832	10·132
67923	12	14·968	10·480
67924	25	16·050	10·260
67925	22	16·470	10·100
67926	11	18·786	10·663
67927	10	20·266	10·951
67928	11	21·090	10·090
67929	12	23·299	10·093
67930	12	23·365	10·468
67931*	42	23·768	10·453
67932	12	24·570	10·582
67933	11	24·820	10·186
67934	13	5·460	11·221
67935	11	5·770	11·013
67936	11	6·150	11·198
67937	12	7·337	11·630
67938	22	8·098	11·191
67939	20	9·765	11·857
67940	13	14·625	11·600
67941	19	15·324	11·101
67942	12	15·941	11·231
67943	12	17·094	11·950
67944*	41	17·479	11·294
67945	20	17·666	11·339
67946	13	17·844	11·635
67947*	42	19·358	11·514
67948	21	20·257	11·845
67949	22	20·558	11·077
67950	10	22·054	11·330
67951	10	22·771	11·858
67952	12	23·195	11·778
67953	10	23·556	11·977
67954*	22	23·975	11·702
67955	21	23·990	11·717
67956	11	25·551	11·370
67957	17	0·692	12·981
67958	23	1·956	12·916
67959	10	2·706	12·491
67960	21	4·249	12·601
67961	10	5·351	12·195
67962	11	6·132	12·946
67963	10	6·196	12·483
67964	10	7·716	12·272
67965	21	7·773	12·737
67966	12	8·331	12·089
67967	11	8·787	12·620
67968	21	12·881	12·300
67969	15	12·906	12·114
67970	21	13·143	12·493
67971	16	14·952	12·859
67972	20	16·940	12·770
67973	10	17·094	12·900
67974	12	20·309	12·894
67975	21	23·116	12·447
67976	10	23·608	12·112
67977	11	24·040	12·775
67978	11	25·050	12·677
67979	19	3·510	13·258
67980	12	5·625	13·332
67981	12	6·691	13·848
67982	10	7·103	13·212
67983	11	7·475	13·986
67984	10	7·795	13·485
67985	22	8·289	13·343
67986	11	11·215	13·862
67987	12	12·385	13·116
67988	13	12·745	13·991
67989	22	14·382	13·602
67990	21	14·458	13·963
67991	17	16·213	13·003
67992	22	16·923	13·290
67993	30	17·192	13·271
67994*	42	20·642	13·375
67995	12	22·852	13·071
67996	12	23·590	13·895
67997	16	24·660	13·607
67998	28	25·345	13·787
67999	22	0·560	14·657
68000	10	1·416	14·061
68001	12	3·267	14·665
68002*	22	7·976	14·988
68003	19	9·957	14·848
68004*	22	9·958	14·884
68005	12	10·533	14·334
68006	10	10·901	14·091
68007	12	11·487	14·209
68008	13	15·040	14·656

No.	d	x	y
68009	18	16·604	14·608
68010	11	16·937	14·030
68011	22	17·251	14·594
68012*	38	17·992	14·364
68013	10	24·511	14·982
68014	10	25·159	14·007
68015	12	25·540	14·548
68016	15	25·906	14·535
68017	23	0·958	15·732
68018	12	4·405	15·718
68019	13	5·518	15·748
68020	12	5·994	15·701
68021	10	6·496	15·530
68022	12	8·747	15·092
68023	13	8·849	15·400
68024	11	9·470	15·637
68025	10	10·250	15·497
68026	10	20·085	15·545
68027	10	23·710	15·721
68028	22	0·844	16·255
68029	22	1·960	16·924
68030	12	3·601	16·950
68031	12	4·045	16·720
68032	13	4·048	16·337
68033	10	4·163	16·501
68034	10	6·191	16·161
68035	12	7·025	16·802
68036	13	7·125	16·565
68037	12	7·193	16·054
68038	10	7·245	16·889
68039	10	9·614	16·049
68040	10	11·827	16·512
68041	13	12·775	16·970
68042	12	12·966	16·078
68043*	32	13·138	16·488
68044	12	13·785	16·827
68045	22	16·705	16·102
68046	13	22·611	16·934
68047	12	23·201	16·380
68048	10	23·346	16·428
68049	13	24·611	16·244
68050	26	0·360	17·168
68051	22	2·487	17·536
68052	13	3·626	17·761
68053	12	3·978	17·265
68054	12	4·776	17·309
68055	13	8·152	17·515
68056	10	10·757	17·595
68057	23	12·203	17·640
68058	13	12·830	17·833
68059	12	17·820	17·504
68060	10	22·551	17·577
68061	11	23·393	17·331
68062	10	24·002	17·333
68063	10	25·449	17·014
68064	12	25·851	17·217
68065	13	2·277	18·836
68066	10	5·497	18·774
68067	12	5·713	18·139
68068	13	7·929	18·282
68069	10	7·959	18·531
68070	10	14·074	18·764
68071	12	14·586	18·110
68072	10	16·760	18·852
68073	11	18·668	18·278
68074*	40	19·111	18·000
68075	13	20·110	18·626
68076	11	20·585	18·562
68077	12	20·720	18·933
68078	13	25·088	18·426
68079*	31	3·520	19·265
68080	23	4·665	19·194
68081	22	4·749	19·471
68082	11	5·430	19·587

No.	d	x	y
68083	13	7·051	19·493
68084	10	7·227	19·491
68085	12	8·332	19·349
68086	10	9·769	19·766
68087*	51	12·710	19·778
68088	12	13·066	19·663
68089	13	13·144	19·756
68090	22	14·560	19·185
68091	10	15·076	19·978
68092*	23	18·011	19·886
68093	10	18·688	19·787
68094	10	19·061	19·823
68095	13	19·535	19·091
68096	11	19·641	19·174
68097	22	21·071	19·047
68098	12	21·435	19·344
68099	12	21·616	19·940
68100	12	21·915	19·946
68101	11	22·039	19·249
68102	12	22·837	19·018
68103	15	24·636	19·640
68104	12	25·614	19·671
68105	22	2·371	20·149
68106	11	5·051	20·907
68107	10	7·145	20·172
68108	22	7·257	20·138
68109	21	9·809	20·822
68110	10	11·805	20·662
68111	12	12·000	20·618
68112	10	15·124	20·697
68113	12	16·648	20·224
68114	11	16·908	20·632
68115	12	17·285	20·386
68116	22	17·308	20·390
68117	22	18·525	20·749
68118	20	19·265	20·916
68119	15	23·198	20·439
68120	12	24·171	20·971
68121	13	24·444	20·299
68122	21	25·398	20·656
68123	26	1·463	21·834
68124	11	2·844	21·596
68125*	30	7·495	21·080
68126	15	10·270	21·300
68127	10	14·204	21·562
68128	12	16·036	21·543
68129	10	17·744	21·173
68130	13	18·009	21·265
68131	13	18·479	21·489
68132*	22	18·588	21·451
68133	23	18·844	21·116
68134*	30	19·038	21·751
68135	10	19·550	21·276
68136	21	21·545	21·651
68137	10	22·028	21·016
68138	13	22·450	21·609
68139	10	23·014	21·119
68140	26	0·026	22·029
68141	27	0·140	22·261
68142	32	0·851	22·053
68143*	32	1·080	22·879
68144	12	2·521	22·287
68145	10	3·300	22·839
68146	12	3·495	22·848
68147	13	4·388	22·271
68148	12	5·243	22·342
68149	10	5·781	22·784
68150	11	7·877	22·258
68151	11	8·089	22·131
68152	12	8·174	22·377
68153*	37	9·318	22·904
68154*	42	9·735	22·241
68155	12	10·697	22·124
68156	13	11·631	22·979

No.	d	x	y
68157	10	11·704	22·768
68158	15	12·060	22·170
68159	10	13·684	22·796
68160	10	14·537	22·774
68161	12	16·575	22·625
68162	11	16·892	22·234
68163	15	17·450	22·368
68164	10	17·855	22·753
68165	22	18·968	22·741
68166	10	23·190	22·805
68167	19	0·047	23·448
68168	22	2·630	23·323
68169	23	2·673	23·268
68170	21	3·830	23·646
68171	12	4·615	23·764
68172	15	5·161	23·230
68173	22	5·666	23·166
68174	12	7·140	23·719
68175	13	7·426	23·008
68176	10	8·843	23·290
68177	10	8·942	23·775
68178	10	10·112	23·409
68179	10	11·364	23·098
68180	9	13·520	23·647
68181	12	15·755	23·184
68182	12	16·270	23·552
68183	10	16·949	23·150
68184	13	18·565	23·980
68185	10	18·651	23·113
68186	10	20·385	23·674
68187	12	21·926	23·157
68188	11	22·961	23·897
68189	11	23·194	23·949
68190	10	24·174	23·965
68191	10	24·195	23·892
68192	22	2·383	24·248
68193	15	4·086	24·263
68194	11	4·365	24·243
68195	12	5·250	24·826
68196	13	8·315	24·947
68197	14	9·522	24·401
68198	10	11·397	24·133
68199	10	11·941	24·613
68200	12	13·200	24·626
68201	10	14·162	24·371
68202	11	14·191	24·827
68203	17	15·460	24·403
68204	12	17·289	24·188
68205*	29	18·960	24·490
68206	11	19·130	24·483
68207	11	19·726	24·927
68208*	25	19·839	24·070
68209	12	20·114	24·575
68210	11	21·104	24·879
68211	11	21·566	24·939
68212	22	21·714	24·836
68213	10	22·149	24·655
68214	12	22·780	24·786
68215	16	24·135	24·731
68216	29	0·026	25·751
68217	32	0·762	25·409
68218	26	4·272	25·875
68219	22	4·880	25·327
68220	14	5·317	25·015
68221	13	5·681	25·692
68222	12	6·304	25·310
68223	22	6·600	25·760
68224	13	8·930	25·856
68225	21	9·400	25·996
68226	23	10·360	25·999
68227	13	10·670	25·904
68228	12	10·878	25·057
68229	10	13·668	25·731
68230*	28	13·689	25·521

No.	d	x	y
68231	11	14·450	25·672
68232	12	14·880	25·913
68233	10	17·309	25·013
68234*	28	18·667	25·078
68235	11	18·804	25·747
68236	12	19·904	25·148
68237	10	20·452	25·458
68238	10	22·779	25 066
68239	13	24·399	25·250

R. A. 22ʰ 16ᵐ

Plate 1846 ; 1901 Oct. 18.

Provisional Constants.

A	B	C
−·00070	+·00624	−·0297
D	**E**	**F**
−·00619	−·00046	−·3204

Mag. = $16{\cdot}7 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
68301	13	2·355	0·777
68302	14	4·335	0·269
68303	11	6·104	0·789
68304	22	7·342	0·530
68305	12	8·368	0·313
68306	13	9·636	0·085
68307*	22	12·039	0·118
68308	22	14·388	0·932
68309	11	17·416	0·247
68310	18	18·695	0·245
68311	10	19·054	0·024
68312*	38	24·170	0·305
68313	20	5·242	1·133
68314	13	5·745	1·196
68315*	39	6·139	1·848
68316	13	6·300	1·774
68317	10	7·791	1·086
68318	10	7·870	1·221
68319	13	9·093	1·238
68320	15	9·571	1·250
68321	10	10·806	1·079
68322	22	10·970	1·902
68323	13	12·749	1·348
68324	13	13·629	1·396
68325	16	14·782	1·934
68326	10	17·275	1·958
68327	10	17·363	1·198
68328	10	18·353	1·581
68329	13	18·951	1·801
68330	19	19·299	1·385
68331	10	22·348	1·896
68332	11	22·370	1·447
68333	10	24·139	1·645
68334	20	24·387	1·598
68335*	26	25·059	1·318
68336	25	1·515	2·237
68337	16	3·251	2·1[illegible]1
68338	18	3·947	2·962
68339	11	4·780	2·245
68340	10	5·497	2·194
68341	13	7·841	2·045
68342	10	8·107	2·667

No.	d	x	y
68343	10	8·571	2·913
68344	11	10·516	2·103
68345	10	10·740	2·760
68346	9	10·786	2·594
68347	10	12·386	2·173
68348	10	12·493	2·231
68349	10	14·735	2·676
68350	10	15·119	2·180
68351	10	15·238	2·046
68352	10	15·258	2·743
68353	12	15·300	2·887
68354	10	17·290	2·059
68355	11	17·476	2·128
68356	10	18·210	2·975
68357	10	18·713	2·060
68358	11	20·870	2·967
68359	10	24·393	2·367
68360	16	25·578	2·503
68361	23	1·056	3·129
68362	17	3·403	3·058
68363	10	6·170	3·155
68364	10	6·600	3·338
68365	10	6·914	3·647
68366	23	8·100	3·166
68367	16	8·778	3·574
68368	10	9·933	3·205
68369	11	11·006	3·589
68370	15	11·011	3·604
68371	13	12·306	3·042
68372	10	13·045	3·473
68373	10	14·523	3·770
68374	10	14·820	3·103
68375	10	16·181	3·544
68376	13	17·649	3·222
68377*	41	18·409	3·464
68378	11	19·905	3·702
68379	20	20·575	3·600
68380	10	21·020	3·169
68381	10	21·122	3·302
68382	10	21·869	3·598
68383	10	22·730	3·043
68384	12	23·761	3·493
68385	10	24·210	3·305
68386	10	24·825	3·250
68387	22	1·357	4·734
68388	13	2·166	4·265
68389	17	3·722	4·599
68390*	41	5·567	4·593
68391	13	7·955	4·970
68392	17	8·715	4·664
68393	16	9·769	4·869
68394	13	10·092	4·407
68395*	18	10·776	4·178
68396*	15	11·138	4·500
68397	13	13·873	4·549
68398	10	14·160	4·442
68399	22	14·172	4·469
68400	13	15·655	4·110
68401	11	18·050	4·903
68402	19	19·876	4·798
68403	13	20·497	4·328
68404	10	22·178	4·193
68405	12	23·111	4·197
68406	13	23·669	4·521
68407	10	24·987	4·665
68408	22	25·343	4·964
68409	18	1·400	5·521
68410	14	2·744	5·418
68411	21	3·416	5·526
68412	23	3·741	5·768
68413	10	4·135	5·477
68414	10	12·996	5·929
68415	10	13·157	5·284
68416	11	13·745	5·053

68417	10	13·755	5·782	68491	21	1·946	8·782	68565	11	8·070	11·380	68639	13	23·833	13·630	68713	10	13·760	17·250
68418	10	16·358	5·800	68492	10	5·896	8·357	68566	13	8·691	11·413	68640	10	2·395	14·057	68714	12	14·946	17·198
68419	10	16·962	5·879	68493	20	8·022	8·201	68567	14	11·840	11·842	68641	15	2·787	14·591	68715	12	15·876	17·123
68420	22	19·154	5·878	68494	10	9·617	8·728	68568*	24	11·900	11·606	68642	14	3·153	14·570	68716	10	16·700	17·113
68421	20	23·511	5·569	68495	20	10·967	8·329	68569	22	14·251	11·714	68643	12	3·341	14·934	68717	10	17·530	17·479
68422	10	25·467	5·288	68496*	35	11·746	8·358	68570	10	18·295	11·836	68644	13	4·532	14·615	68718	10	20·168	17·837
68423	33	1·299	6·858	68497	21	13·761	8·960	68571	10	18·309	11·567	68645	11	4·561	14·168	68719	10	23·599	17·636
68424	18	2·238	6·334	68498	10	15·443	8·687	68572	10	19·860	11·473	68646	10	5·529	14·243	68720	10	24·792	17·544
68425	13	4·404	6·211	68499	22	16·361	8·246	68573	12	24·372	11·027	68647	10	8·509	14·848	68721	10	25·419	17·071
68426	17	4·678	6·429	68500	10	18·339	8·909	68574	23	25·115	11·481	68648	13	9·445	14·895	68722	18	2·413	18·479
68427	12	9·668	6·933	68501	10	19·234	8·605	68575	10	25·322	11·363	68649	12	10·205	14·253	68723	13	4·080	18·484
68428	12	11·623	6·080	68502	12	19·629	8·902	68576	10	25·471	11·756	68650	13	10·811	14·781	68724	11	5·473	18·957
68429	11	11·665	6·000	68503	10	20·835	8·937	68577	25	0·323	12·540	68651	11	12·491	14·893	68725	13	6·020	18·748
68430	9	11·711	6·100	68504	13	21·273	8·489	68578	11	0·807	12·194	68652	10	13·048	14·549	68726	13	6·200	18·513
68431	11	12·558	6·600	68505	10	22·059	8·663	68579	13	1·252	12·851	68653	10	14·161	14·309	68727*	22	8·158	18·796
68432	23	12·811	6·349	68506	10	23·738	8·170	68580	18	2·257	12·734	68654	13	18·113	14·220	68728	10	8·344	18·851
68433	10	13·059	6·099	68507	23	25·115	8·430	68581	11	4·844	12·782	68655	10	20·303	14·111	68729	10	11·428	18·903
68434	13	13·061	6·411	68508	10	2·913	9·231	68582*	33	6·158	12·538	68656	11	20·681	14·582	68730	10	11·574	18·896
68435	22	14·335	6·263	68509	13	3·727	9·199	68583*	25	6·479	12·877	68657	10	24·984	14·336	68731	10	15·119	18·413
68436	18	14·852	6·211	68510	13	3·862	9·900	68584	14	6·854	12·908	68658	13	1·769	15·043	68732	10	15·174	18·372
68437	22	15·395	6·603	68511	13	5·075	9·026	68585	13	7·454	12·242	68659	18	4·712	15·477	68733	10	15·686	18·774
68438	11	16·720	6·808	68512*	22	5·951	9·698	68586	10	7·560	12·913	68660	13	7·458	15·898	68734	20	16·799	18·437
68439	10	16·907	6·128	68513	10	7·235	9·990	68587	13	9·450	12·588	68661	22	7·980	15·314	68735	10	20·631	18·234
68440	11	18·246	6·721	68514	13	9·492	9·941	68588	10	9·871	12·658	68662	13	15·018	15·537	68736	9	21·618	18·870
68441	11	19·533	6·682	68515	11	10·088	9·964	68589	11	10·834	12·538	68663	10	15·343	15·029	68737	10	25·182	18·643
68442	12	20·414	6·647	68516	13	10·548	9·085	68590	11	10·921	12·221	68664	10	15·745	15·037	68738	10	25·620	18·709
68443	10	20·850	6·218	68517	10	10·888	9·738	68591	11	11·904	12·574	68665	10	18·775	15·319	68739	11	25·859	18·137
68444	13	21·226	6·421	68518	18	10·949	9·137	68592	13	13·628	12·837	68666	13	21·492	15·574	68740	19	0·175	19·114
68445	10	21·700	6·451	68519	12	11·540	9·095	68593	13	13·955	12·546	68667	18	22·009	15·413	68741	22	1·986	19·702
68446	10	22·308	6·082	68520	10	14·241	9·899	68594	12	14·497	12·039	68668	15	23·742	15·715	68742	13	2·966	19·714
68447	13	23·775	6·431	68521	11	14·655	9·312	68595	11	14·596	12·417	68669	10	23·916	15·158	68743*	23	4·620	19·980
68448	20	24·192	6·577	68522	14	15·030	9·462	68596	22	15·292	12·575	68670	20	0·486	16·470	68744	9	5·238	19·199
68449	14	0·438	7·490	68523	11	15·182	9·701	68597	10	16·290	12·998	68671	16	0·632	16·517	68745	10	6·164	19·150
68450	22	0·534	7·192	68524	19	15·520	9·389	68598	19	16·547	12·060	68672	13	1·284	16·486	68746	10	7·100	19·961
68451	11	2·179	7·187	68525	13	16·167	9·613	68599	14	18·214	12·305	68673	18	1·892	16·304	68747	22	7·100	19·096
68452	13	2·450	7·683	68526	12	16·344	9·195	68600	10	19·000	12·139	68674	10	4·238	16·741	68748	12	8·552	19·673
68453	11	2·600	7·482	68527	10	17·758	9·375	68601	16	19·118	12·100	68675	10	6·785	16·850	68749	10	10·015	19·800
68454	13	3·064	7·196	68528	10	19·891	9·579	68602*	42	20·181	12·521	68676	11	7·922	16·029	68750	10	12·598	19·762
68455	14	5·527	7·635	68529*	43	21·718	9·638	68603	10	20·453	12·578	68677	11	10·933	16·892	68751	13	15·112	19·027
68456	14	5·854	7·171	68530	10	22·045	9·514	68604	22	20·505	12·278	68678	13	13·582	16·995	68752	11	16·073	19·417
68457	13	7·992	7·841	68531	14	25·755	9·566	68605	16	21·121	12·348	68679	13	14·845	16·890	68753	11	16·299	19·244
68458	31	8·059	7·390	68532	10	25·891	9·293	68606	11	23·010	12·233	68680	13	15·181	16·823	68754	10	20·060	19·634
68459	28	8·589	7·389	68533	23	0·458	10·181	68607	12	23·041	12·623	68681	11	16·046	16·683	68755	15	21·490	19·292
68460	10	8·635	7·799	68534	18	0·529	10·556	68608	10	24·258	12·348	68682	22	17·079	16·345	68756	10	21·636	19·123
68461	10	8·981	7·343	68535*	58	0·935	10·532	68609	18	0·070	13·168	68683	12	17·332	16·273	68757	10	21·764	19·853
68462	14	8·991	7·818	68536	18	1·736	10·647	68610	20	0·826	13·981	68684	11	18·850	16·528	68758	13	23·442	19·256
68463	10	9·181	7·044	68537	13	1·980	10·245	68611	27	1·890	13·669	68685	17	19·688	16·140	68759	10	23·564	19·294
68464	10	9·659	7·713	68538	10	4·300	10·869	68612	40	2·578	13·836	68686	10	20·781	16·487	68760	13	23·845	19·989
68465	12	10·456	7·242	68539	10	4·300	10·950	68613	10	4·830	13·891	68687	10	21·647	16·819	68761	24	0·561	20·530
68466	18	10·600	7·303	68540	10	5·640	10·054	68614	13	5·687	13·139	68688	10	22·494	16·818	68762	17	1·807	20·365
68467*	22	10·766	7·977	68541	12	6·134	10·784	68615	10	6·082	13·059	68689	10	22·694	16·063	68763	24	2·769	20·701
68468	11	12·175	7·587	68542	12	7·753	10·781	68616	21	6·145	13·418	68690	10	23·571	16·067	68764	10	3·411	20·771
68469	10	15·500	7·096	68543	10	9·070	10·563	68617	17	7·502	13·018	68691	10	24·617	16·568	68765	13	4·048	20·340
68470	10	16·299	7·127	68544	11	12·448	10·901	68618	10	9·724	13·440	68692	13	24·920	16·776	68766	13	4·209	20·964
68471	13	16·517	7·706	68545	11	13·205	10·582	68619	13	9·744	13·537	68693	12	25·096	16·663	68767	11	4·902	20·489
68472	10	17·018	7·942	68546	11	13·848	10·829	68620	10	10·051	13·537	68694	11	25·653	16·194	68768	9	5·227	20·760
68473	13	17·741	7·721	68547	11	13·989	10·248	68621	11	10·270	13·804	68695	13	0·699	17·415	68769	10	5·418	20·592
68474	10	18·420	7·287	68548*	52	14·266	10·270	68622	10	10·350	13·431	68696	13	1·303	17·407	68760	14	5·444	20·639
68475	10	19·067	7·494	68549	13	14·886	10·898	68623	11	10·370	13·328	68697	10	2·747	17·057	68771	13	8·176	20·468
68476	16	19·749	7·496	68550	13	15·111	10·423	68624	13	10·686	13·489	68698	11	3·153	17·253	68772	13	9·262	20·204
68477	11	20·041	7·830	68551	21	15·456	10·278	68625	11	11·914	13·777	68699	11	4·016	17·013	68773	9	10·167	20·224
68478	17	20·068	7·840	68552	10	17·945	10·156	68626	12	14·086	13·381	68700	13	4·133	17·064	68774	13	10·610	20·328
68479	10	20·493	7·125	68553	19	18·218	10·111	68627	12	14·772	13·458	68701	20	5·266	17·402	68775	11	13·872	20·486
68480	10	20·628	7·316	68554	11	18·564	10·518	68628	11	14·899	13·447	68702	10	5·347	17·663	68776	10	15·486	20·340
68481	13	20·951	7·642	68555	11	19·173	10·690	68629	13	15·220	13·667	68703	12	6·706	17·161	68777	10	15·825	20·024
68482	17	21·190	7·900	68556	9	23·591	10·356	68630	14	15·659	13·489	68704	13	6·920	17·145	68778	11	16·249	20·096
68483	13	22·200	7·642	68557	13	23·876	10·229	68631*	23	15·717	13·087	68705	10	7·287	17·162	68779	9	16·730	20·643
68484	10	22·224	7·317	68558	11	24·148	10·581	68632	12	17·881	13·609	68706	13	7·845	17·393	68780	13	17·986	20·728
68485	10	23·523	7·090	68559	22	0·388	11·871	68633	12	18·763	13·110	68707	10	9·761	17·801	68781	22	18·383	20·785
68486	15	23·706	7·665	68560*	47	1·169	11·784	68634	11	19·070	13·680	68708	9	9·823	17·148	68782	10	18·962	20·983
68487	10	24·530	7·730	68561	16	2·736	11·417	68635	10	19·865	13·572	68709	13	11·535	17·311	68783	12	19·501	20·658
68488	20	24·882	7·032	68562	14	3·215	11·961	68636	13	21·789	13·526	68710	10	11·763	17·251	68784	10	20·631	20·858
68489	18	0·149	8·062	68563*	28	5·585	11·286	68637	10	23·106	13·190	68711	13	12·297	17·733	68785	10	21·100	20·547
68490	11	1·899	8·430	68564	13	5·600	11·890	68638	10	23·751	13·777	68712	10	12·805	17·354	68786	13	21·284	20·234

68787	10	21·939	20·472
68788	13	22·959	20·970
68789	10	23·283	20·314
68790	12	24·032	20·549
68791	13	24·252	20·286
68792	22	25·356	20·650
68793	18	25·361	20·499
68794	15	0·390	21·214
68795	17	1·549	21·039
68796	32	3·583	21·381
68797	10	3·712	21·274
68798	10	5·407	21·409
68799	13	8·065	21·583
68800	10	8·205	21·658
68801	10	12·071	21·282
68802*	32	12·561	21·468
68803	10	14·170	21·803
68804	22	15·385	21·250
68805	13	16·960	21·351
68806	10	20·213	21·243
68807	13	20·342	21·163
68808	10	20·384	21·356
68809	10	21·184	21·420
68810	10	21·920	21·578
68811	13	22·832	21·107
68812	13	23·110	21·396
68813	13	25·572	21·700
68814	21	25·896	21·434
68815	26	3·889	22·600
68816	10	4·461	22·656
68817*	42	5·208	22·149
68818	14	5·645	22·315
68819	10	8·271	22·596
68820	10	8·632	22·687
68821	13	10·045	22·047
68822	19	10·290	22·232
68823	13	10·656	22·367
68824	10	11·778	22·962
68825	10	12·026	22·404
68826	9	12·161	22·811
68827	13	12·275	22·987
68828	11	12·528	22·293
68829	11	12·621	22·757
68830	10	13·067	22·073
68831	22	13·411	22·242
68832	12	17·956	22·440
68833	19	18·056	22·191
68834	10	18·349	22·192
68835	10	18·367	22·202
68836	19	21·092	22·013
68837	13	21·496	22·159
68838	10	22·078	22·321
68839	22	22·228	22·790
68840	10	22·419	22·009
68841	10	22·885	22·924
68842	13	22·965	22·565
68843	11	23·678	22·064
68844	13	24·310	22·267
68845	12	25·761	22·451
68846	10	3·713	23·740
68847	11	5·134	23·207
68848	11	6·268	23·807
68849	13	7·118	23·726
68850	10	7·410	23·809
68851	10	11·997	23·376
68852	10	12·508	23·377
68853	15	12·648	23·794
68854	10	12·658	23·347
68855	13	15·564	23·286
68856	10	16·551	23·376
68857	13	17·192	23·479
68858	10	18·320	23·399
68859	9	18·884	23·590
68860	10	18·902	23·742

68861	13	19·287	23·147
68862	13	19·811	23·393
68863	9	20·930	23·457
68864	11	21·199	23·382
68865	13	22·201	23·511
68866	13	22·241	23·812
68867	13	22·256	23·792
68868	13	22·888	23·118
68869*	42	23·535	23·875
68870	10	24·595	23·245
68871	19	1·587	24·806
68872	13	1·612	24·036
68873	11	6·990	24·203
68874	11	8·310	24·626
68875	10	10·517	24·417
68876	10	11·391	24·899
68877	10	13·049	24·813
68878	24	13·951	24·723
68879*	30	14·089	24·324
68880*	29	15·277	24·957
68881	10	18·696	24·583
68882	15	19·759	24·504
68883	10	20·371	24·921
68884	12	20·530	24·077
68885	13	20·875	24·770
68886	13	22·580	24·569
68887	11	23·489	24·044
68888	13	23·501	24·083
68889*	29	24·070	24·056
68890	17	1·858	25·316
68891	19	3·746	25·258
68892	13	7·845	25·180
68893	10	8·302	25·435
68894	10	8·705	25·039
68895	10	12·544	25·958
68896	10	12·856	25·390
68897	13	13·893	25·243
68898	10	14·764	25·985
68899	10	15·621	25·081
68900	11	16·521	25·862
68901	16	16·628	25·534
68902	13	17·134	25·407
68903	10	18·537	25·656
68904	10	18·684	25·426
68905	10	18·982	25·404
68906	13	20·722	25·589
68907	10	20·765	25·202
68908*	33	21·171	25·565
68909	10	21·402	25·387
68910	21	21·621	25·330
68911*	42	25·108	25·164

R. A. 22h 25m

Plate 1847; 1901 Oct. 18.

Provisional Constants.

A	B	C
−·00043	+·00329	−·0376

D	E	F
−·00321	−·00047	−·3513

Mag. = 16·9 − 1·36 $\sqrt{d}$

No.	*d*	*x*	*y*
69001*	52	0·788	0·432
69002*	22	3·343	0·725
69003*	47	3·371	0·522
69004	22	3·738	0·269
69005	15	5·082	0·322
69006*	33	5·923	0·732
69007	10	7·809	0·009
69008	10	8·029	0·190
69009	10	10·678	0·923
69010	22	12·481	0·345
69011	13	12·891	0·910
69012	12	14·009	0·466
69013	22	14·282	0·471
69014	11	14·461	0·053
69015	22	14·601	0·275
69016	19	14·813	0·821
69017	11	14·832	0·402
69018	10	16·069	0·280
69019	10	16·457	0·212
69020	11	17·512	0·307
69021	19	18·212	0·818
69022	11	21·033	0·301
69023	18	21·965	0·968
69024	10	24·065	0·869
69025	37	1·020	1·716
69026*	44	1·695	1·427
69027	22	4·894	1·633
69028	14	5·038	1·207
69029	13	6·395	1·500
69030	12	6·775	1·604
69031	11	7·077	1·214
69032	11	11·825	1·418
69033	11	12·086	1·567
69034	16	14·849	1·224
69035	22	15·097	1·358
69036	10	15·270	1·982
69037	10	15·407	1·048
69038	13	15·489	1·623
69039	11	15·559	1·771
69040	10	15·606	1·932
69041*	33	18·055	1·347
69042	13	18·569	1·380
69043	10	18·591	1·364
69044	11	18·830	1·380
69045	10	19·889	1·026
69046	12	20·621	1·850
69047	10	21·663	1·754
69048	13	21·690	1·166
69049	13	22·500	1·489
69050	11	24·135	1·527
69051	26	25·831	1·105
69052	22	2·229	2·601
69053	18	2·961	2·271
69054	17	3·477	2·357
69055	22	4·173	2·409
69056	12	6·871	2·521
69057	14	8·061	2·431
69058	11	8·391	2·028
69059	12	8·805	2·279
69060	10	9·036	2·743
69061	10	9·570	2·714
69062	13	10·810	2·380
69063*	39	11·240	2·216
69064	12	11·634	2·012
69065	10	12·474	2·317
69066	13	15·452	2·372
69067	13	16·241	2·384
69068	11	16·288	2·157
69069	13	17·958	2·078
69070	11	18·028	2·749
69071	12	18·383	2·097
69072	18	18·500	2·216
69073*	22	18·752	2·908
69074	10	20·003	2·146
69075	10	20·411	2·860
69076	16	20·945	2·662

69077	10	21·531	2·395
69078	10	21·542	2·949
69079	13	21·782	2·385
69080	13	23·605	2·033
69081	10	24·926	2·184
69082	10	25·728	2·161
69083	22	3·448	3·365
69084	14	3·467	3·588
69085	13	3·522	3·113
69086*	22	6·458	3·039
69087*	35	6·533	3·346
69088	21	6·923	3·420
69089	11	7·609	3·051
69090	13	7·654	3·190
69091	10	7·711	3·995
69092	10	8·335	3·482
69093	12	8·720	3·538
69094	21	10·045	3·987
69095	13	10·467	3·228
69096	14	11·083	3·605
69097	10	11·749	3·178
69098	21	12·856	3·843
69099	13	12·990	3·131
69100	15	13·237	3·070
69101	22	13·821	3·544
69102	22	13·922	3·660
69103	10	14·115	3·637
69104	26	18·304	3·459
69105	10	19·256	3·159
69106	22	19·571	3·732
69107	10	21·083	3·018
69108	13	22·216	3·968
69109	10	23·255	3·373
69110	13	24·657	3·328
69111	14	25·320	3·733
69112	13	25·428	3·724
69113	10	25·545	3·330
69114	24	0·357	4·652
69115	25	2·816	4·126
69116	19	4·023	4·768
69117	13	5·921	4·527
69118	13	6·797	4·180
69119	17	7·029	4·553
69120	19	8·238	4·154
69121	22	9·580	4·196
69122	13	10·116	4·838
69123	12	10·209	4·153
69124	10	11·889	4·864
69125	10	12·501	4·918
69126*	22	12·952	4·549
69127*	33	13·371	4·123
69128	11	14·322	4·648
69129	10	14·531	4·748
69130	22	15·319	4·180
69131	13	15·809	4·312
69132	19	17·477	4·747
69133	11	18·151	4·489
69134*	27	19·048	4·218
69135	10	19·549	4·449
69136	12	20·135	4·833
69137	11	20·726	4·727
69138	11	22·545	4·354
69139	10	22·938	4·005
69140	13	23·285	4·801
69141*	27	23·687	4·388
69142	11	23·763	4·801
69143	15	24·039	4·846
69144	11	25·190	4·818
69145	37	0·217	5·704
69146	28	2·036	5·065
69147	15	2·165	5·387
69148	14	3·047	5·038
69149	13	3·736	5·447
69150	22	4·095	5·283

69151	36	4·468	5·281
69152*	33	5·010	5·922
69153	11	5·618	5·163
69154*	32	7·043	5·731
69155	10	7·785	5·477
69156	10	12·112	5·890
69157	10	14·931	5·948
69158	10	14·994	5·297
69159	11	19·181	5·833
69160	10	19·193	5·048
69161	10	20·633	5·630
69162	10	20·965	5·367
69163	13	21·579	5·189
69164	10	22·018	5·567
69165	15	22·778	5·307
69166	10	23·898	5·330
69167	20	23·921	5·138
69168	13	25·010	5·860
69169	22	0·495	6·560
69170	27	0·913	6·698
69171	11	3·685	6·212
69172	13	4·699	6·616
69173	20	5·643	6·000
69174*	42	6·332	6·020
69175	11	8·524	6·632
69176	15	11·010	6·619
69177	11	11·408	6·256
69178	11	12·874	6·062
69179	10	13·389	6·159
69180	16	14·099	6·036
69181	15	14·615	6·399
69182	14	15·083	6·922
69183	16	15·886	6·203
69184	11	16·902	6·137
69185	11	17·280	6·031
69186	12	17·638	6·879
69187	13	17·868	6·950
69188	13	19·720	6·572
69189	13	20·612	6·899
69190	19	21·830	6·561
69191	21	24·334	6·735
69192	10	25·266	6·187
69193	26	0·447	7·796
69194	25	1·613	7·142
69195	10	3·688	7·226
69196	14	5·337	7·953
69197	10	8·185	7·110
69198	10	8·533	7·723
69199	13	8·976	7·102
69200	12	9·631	7·211
69201	24	9·851	7·441
69202	13	10·565	7·668
69203	10	11·890	7·556
69204	11	12·226	7·333
69205	11	13·200	7·288
69206	10	15·588	7·505
69207	10	17·810	7·379
69208	10	18·243	7·809
69209	13	18·875	7·365
69210	11	19·018	7·445
69211	36	19·588	7·935
69212	10	19·618	7·439
69213	15	21·237	7·825
69214	10	21·402	7·981
69215	11	22·165	7·372
69216	15	23·261	7·740
69217	19	23·552	7·949
69218	13	24·155	7·124
69219	18	24·169	7·079
69220	11	24·341	7·956
69221	32	1·871	8·538
69222	31	3·187	8·751
69223	14	4·390	8·223
69224	10	5·124	8·116

69225	10	6·521	8·800	69299	20	5·170	11·799	69373	13	7·464	14·045	69447	10	3·588	17·222	69521	18	20·362	19·671
69226	10	8·637	8·166	69300	10	5·180	11·109	69374*	29	8·071	14·572	69448	13	3·679	17·536	69522	12	21·786	19·412
69227	10	9·018	8·867	69301	13	8·096	11·487	69375*	31	11·041	14·468	69449	14	4·175	17·002	69523	13	23·157	19·912
69228	13	9·324	8·780	69302	29	8·312	11·147	69376	12	11·211	14·315	69450	10	4·515	17·038	69524	13	23·616	19·596
69229	11	9·664	8·718	69303	17	8·554	11·701	69377	11	11·264	14·079	69451	10	5·357	17·613	69525	10	24·068	19·135
69230*	22	11·448	8·675	69304	13	9·839	11·168	69378*	46	12·347	14·903	69452	24	5·769	17·268	69526	10	24·437	19·499
69231	10	11·516	8·809	69305	30	10·128	11·370	69379	39	13·650	14·863	69453	11	6·057	17·819	69527	13	0·236	20·453
69232	13	11·751	8·500	69306*	32	10·350	11·031	69380	10	15·297	14·608	69454	20	6·768	17·943	69528	23	0·796	20·115
69233	13	12·160	8·045	69307	10	10·479	11·907	69381	11	15·334	14·000	69455	19	6·780	17·922	69529	22	0·992	20·677
69234	12	12·181	8·351	69308	13	10·709	11·402	69382	13	16·322	14·415	69456	10	7·228	17·175	69530	23	1·209	20·407
69235	10	13·500	8·594	69309	11	11·121	11·312	69383	20	18·461	14·814	69457	13	7·289	17·964	69531	33	2·318	20·751
69236	10	15·444	8·721	69310	11	12·408	11·864	69384	10	20·842	14·701	69458	12	7·493	17·123	69532	22	2·320	20·600
69237	11	18·559	8·673	69311	12	16·119	11·732	69385	10	21·068	14·387	69459	13	8·327	17·752	69533	10	3·210	20·370
69238	10	18·662	8·910	69312	13	16·161	11·050	69386	10	23·939	14·060	69460	10	8·400	17·831	69534	10	3·938	20·199
69239	10	18·978	8·226	69313	13	19·915	11·446	69387	22	25·337	14·265	69461	25	9·066	17·261	69535	22	4·350	20·537
69240	10	19·319	8·192	69314	13	20·186	11·665	69388	10	25·518	14·399	69462	15	10·086	17·616	69536	11	5·966	20·933
69241	10	21·271	8·438	69315	10	20·840	11·363	69389	26	0·621	15·844	69463	10	11·056	17·256	69537	22	7·214	20·791
69242	13	21·553	8·703	69316	11	21·677	11·469	69390	21	0·784	15·285	69464	11	11·166	17·865	69538	10	9·027	20·381
69243	10	21·703	8·982	69317*	39	22·083	11·301	69391	15	3·280	15·063	69465	13	13·420	17·816	69539	11	9·262	20·784
69244	10	21·780	8·019	69318	10	22·381	11·662	69392	11	6·338	15·974	69466	10	14·841	17·039	69540	10	11·866	20·269
69245	10	23·657	8·142	69319	14	22·451	11·671	69393	13	7·479	15·655	69467	10	15·615	17·860	69541	10	12·153	20·869
69246	13	24·698	8·161	69320	13	22·575	11·302	69394	12	8·585	15·795	69468	13	15·911	17·507	69542*	40	13·853	20·651
69247	19	2·526	9·663	69321	10	22·805	11·030	69395	22	10·014	15·514	69469*	36	17·673	17·442	69543	21	14·486	20·483
69248	13	2·661	9·387	69322	14	24·025	11·445	69396	15	10·299	15·401	69470	10	21·768	17·589	69544	19	14·990	20·228
69249	10	5·982	9·375	69323	11	24·756	11·445	69397	15	11·793	15·284	69471	10	23·466	17·947	69545	10	15·149	20·400
69250	13	6·817	9·282	69324	12	1·076	12·468	69398	13	11·821	15·527	69472	10	23·478	17·562	69546	9	17·108	20·889
69251	12	9·827	9·981	69325	13	3·474	12·133	69399	10	12·234	15·555	69473	10	24·558	17·281	69547	13	17·408	20·793
69252	10	10·620	9·032	69326	10	4·340	12·628	69400	10	12·852	15·935	69474	22	25·234	17·955	69548	11	18·151	20·310
69253	19	11·469	9·374	69327	10	5·364	12·340	69401	22	13·446	15·932	69475	12	2·108	18·748	69549	19	18·368	20·977
69254	10	11·498	9·463	69328	19	5·757	12·266	69402	10	13·837	15·726	69476	12	2·549	18·808	69550	22	18·809	20·238
69255	13	13·900	9·368	69329	11	6·225	12·098	69403	22	14·269	15·191	69477	12	2·776	18·229	69551	10	18·883	20·291
69256	22	14·090	9·590	69330	13	6·391	12·000	69404	12	14·285	15·901	69478	13	2·994	18·794	69552	22	19·033	20·653
69257*	72	14·389	9·045	69331	13	6·821	12·063	69405	13	14·318	15·535	69479	32	3·760	18·804	69553	20	19·235	20·506
69258	11	14·698	9·436	69332	13	8·961	12·795	69406	11	19·142	15·229	69480	20	4·700	18·868	69554	22	22·932	20·128
69259	11	15·747	9·017	69333	18	10·094	12·395	69407	15	22·055	15·864	69481	11	6·413	18·745	69555	13	25·130	20·337
69260	14	17·025	9·779	69334	13	10·690	12·521	69408	10	22·498	15·556	69482*	30	6·716	18·746	69556	22	0·083	21·535
69261	22	18·289	9·768	69335	11	12·016	12·413	69409	11	23·784	15·275	69483*	27	7·210	18·555	69557	19	2·552	21·799
69262	11	22·736	9·177	69336	11	16·025	12·465	69410	17	24·862	15·660	69484	17	7·308	18·768	69558	22	2·874	21·525
69263	18	22·764	9·726	69337	10	18·154	12·855	69411	10	0·455	16·200	69485	19	7·853	18·711	69559	22	3·891	21·937
69264*	43	23·175	9·854	69338	19	18·174	12·887	69412	11	1·510	16·681	69486	19	7·930	18·308	69560	22	5·319	21·351
69265	10	24·641	9·670	69339	13	20·428	12·510	69413	22	1·816	16·886	69487	11	8·299	18·135	69561	10	6·166	21·779
69266*	37	24·717	9·579	69340	13	23·104	12·912	69414	17	1·992	16·768	69488	11	9·980	18·801	69562	10	7·046	21·139
69267	10	25·582	9·971	69341	16	25·667	12·397	69415	18	2·541	16·291	69489	13	10·332	18·269	69563	10	9·089	21·849
69268	10	0·377	10·486	69342	18	0·600	13·905	69416	10	3·358	16·205	69490	10	10·505	18·187	69564	17	11·106	21·972
69269	22	0·662	10·355	69343	19	0·677	13·756	69417	17	5·402	16·300	69491	10	10·848	18·793	69565	11	11·451	21·069
69270	10	0·937	10·702	69344	13	6·853	13·765	69418	11	6·394	16·368	69492	12	14·400	18·177	69566	14	11·560	21·938
69271	23	3·372	10·618	69345	13	7·242	13·735	69419	10	6·525	16·187	69493*	39	14·872	18·378	69567	11	12·300	21·119
69272	32	3·764	10·089	69346	13	7·800	13·394	69420	18	7·187	16·644	69494	17	16·033	18·891	69568	11	12·719	21·932
69273	13	5·117	10·731	69347	10	7·889	13·775	69421	12	7·215	16·394	69495	12	18·921	18·801	69569	17	13·325	21·793
69274	10	5·860	10·100	69348	13	8·831	13·752	69422	13	7·742	16·034	69496*	38	22·362	18·091	69570	10	14·430	21·358
69275	15	7·063	10·543	69349	13	9·464	13·398	69423	11	7·841	16·699	69497	12	22·490	18·692	69571	10	15·111	21·461
69276	14	12·721	10·332	69350	10	9·507	13·511	69424*	55	8·379	16·573	69498	14	24·419	18·505	69572	14	15·286	21·945
69277	12	12·764	10·584	69351	10	9·551	13·930	69425	22	9·200	16·418	69499	20	0·381	19·392	69573	10	15·336	21·115
69278	11	13·304	10·549	69352	10	9·936	13·691	69426	22	9·530	16·321	69500	10	0·501	19·423	69574	29	16·199	21·473
69279	14	13·562	10·255	69353	13	10·923	13·528	69427	10	9·631	16·141	69501	13	3·145	19·779	69575	10	16·495	21·550
69280	13	14·913	10·764	69354	15	11·165	13·119	69428	11	10·363	16·631	69502	21	3·158	19·420	69576	10	16·813	21·552
69281	13	16·309	10·795	69355	22	12·729	13·786	69429	15	10·860	16·573	69503	10	3·883	19·959	69577	11	17·054	21·523
69282	13	16·473	10·696	69356	13	13·397	13·077	69430	10	12·121	16·950	69504	13	4·015	19·615	69578	15	18·118	21·663
69283	13	17·081	10·994	69357	11	15·965	13·926	69431*	38	12·423	16·722	69505	10	5·079	19·355	69579	13	20·275	21·868
69284	10	18·208	10·968	69358	13	17·819	13·119	69432	13	12·925	16·072	69506	11	6·101	19·732	69580	10	23·212	21·954
69285	10	18·291	10·635	69359	22	19·599	13·699	69433	10	14·362	16·536	69507	16	7·495	19·031	69581	19	25·991	21·108
69286	12	18·452	10·775	69360	12	21·679	13·738	69434	21	14·429	16·230	69508	10	7·603	19·209	69582	22	0·665	22·194
69287	13	19·195	10·587	69361	11	23·417	13·562	69435	10	15·645	16·555	69509	10	7·924	19·348	69583	22	1·300	22·384
69288	13	20·717	10·100	69362*	32	23·425	13·190	69436	15	17·554	16·258	69510	11	8·499	19·956	69584	12	2·755	22·547
69289	10	21·280	10·514	69363*	27	23·849	13·688	69437*	42	17·805	16·760	69511	10	9·697	19·476	69585*	24	3·415	22·750
69290	11	22·945	10·223	69364*	35	25·417	13·033	69438	11	19·292	16·060	69512	10	10·737	19·640	69586	10	5·634	22·026
69291	10	24·458	10·638	69365	22	25·781	13·318	69439	15	19·505	16·788	69513	10	11·189	19·641	69587	10	6·583	22·359
69292	17	25·605	10·663	69366	10	1·836	14·442	69440	12	20·296	16·529	69514	10	11·820	19·358	69588	10	6·629	22·414
69293	20	1·170	11·147	69367	11	3·771	14·276	69441	10	20·509	16·596	69515	10	12·657	19·450	69589	10	7·739	22·024
69294	37	1·921	11·589	69368	13	3·893	14·235	69442	13	21·481	16·983	69516	14	12·669	19·188	69590	12	9·610	22·640
69295	14	2·125	11·466	69369	14	4·481	14·210	69443	10	24·661	16·175	69517	10	12·785	19·158	69591	18	9·637	22·023
69296	11	2·150	11·107	69370	12	5·720	14·547	69444	11	0·508	17·768	69518	10	13·142	19·318	69592	10	10·015	22·507
69297	14	2·285	11·855	69371	21	5·848	14·068	69445	17	1·701	17·657	69519	10	13·424	19·073	69593	10	11·410	22·579
69298	13	4·376	11·754	69372	14	6·571	14·698	69446	12	2·321	17·169	69520	12	18·900	19·879	69594	11	12·226	22·315

No.	d	x	y
69595	11	12·540	22·631
69596	13	12·782	22·927
69597	14	12·838	22·290
69598	10	12·902	22·599
69599	13	13·529	22·519
69600	13	15·008	22·248
69601	10	15·660	22·853
69602	15	17·310	22·308
69603	22	17·472	22·453
69604	21	17·669	22·818
69605*	22	18·862	22·928
69606	12	19·635	22·629
69607	10	19·853	22·564
69608	22	22·108	22·618
69609	10	23·380	22·470
69610	22	23·648	22·347
69611	10	23·881	22·093
69612	11	23·934	22·913
69613	14	25·288	22·207
69614	11	25·438	22·366
69615	11	25·639	22·302
69616*	35	3·880	23·840
69617	13	4·200	23·031
69618	10	4·811	23·153
69619	13	5·470	23·415
69620	13	7·456	23·545
69621	21	8·607	23·999
69622	10	9·410	23·243
69623	13	10·140	23·557
69624	11	10·261	23·305
69625	14	12·114	23·501
69626	13	12·737	23·175
69627	10	12·800	23·523
69628	10	13·718	23·979
69629	22	13·814	23·350
69630	11	14·482	23·045
69631	13	14·914	23·477
69632	19	15·464	23·098
69633	22	16·974	23·078
69634	18	17·925	23·254
69635	10	19·126	23·047
69636	13	19·199	23·255
69637	13	21·137	23·647
69638	10	22·775	23·277
69639	32	24·989	23·329
69640	16	0·509	24·175
69641	16	0·523	24·216
69642*	42	0·551	24·003
69643*	31	1·091	24·179
69644	17	4·311	24·353
69645	10	4·325	24·600
69646	15	4·637	24·782
69647	22	4·975	24·280
69648	12	6·907	24·518
69649	11	8·380	24·900
69650	10	9·099	24·604
69651	10	9·718	24·171
69652	14	10·230	24·342
69653	10	10·489	24·408
69654	13	10·965	24·921
69655	10	11·785	24·422
69656	31	12·116	24·003
69657	12	12·149	24·562
69658	10	14·580	24·974
69659	13	14·592	24·157
69660	10	15·028	24·381
69661	14	15·944	24·363
69662	11	16·758	24·337
69663	11	17·391	24·005
69664	22	18·002	24·047
69665	21	18·400	24·690
69666	10	18·541	24·915
69667	13	19·651	24·482
69668	11	20·831	24·665
69669	12	20·979	24·813
69670	10	22·806	24·086
69671	11	25·078	24·140
69672	24	25·995	24·914
69673*	43	2·148	25·266
69674	15	8·283	25·491
69675	12	8·872	25·512
69676	10	9·256	25·834
69677	10	10·648	25·888
69678*	73	14·199	25·323
69679	13	14·281	25·515
69680	18	15·718	25·166
69681	17	16·593	25·952
69682	19	18·335	25·444
69683	13	18·671	25·436
69684	42	19·007	25·774
69685	10	19·409	25·451
69686	13	21·832	25·755
69687	11	23·499	25·563
69688*	38	25·250	25·239
69689	31	25·844	25·458

R. A. 22h 34m

Plate 2034; 1902 Oct. 16.

Provisional Constants.

A	B	C
−·00054	+·00377	−·2537
D	**E**	**F**
−·00349	−·00052	−·3513

Mag. = 15·7 − 1·36√*d*

No.	d	x	y
69701	12	8·108	0·298
69702	12	9·015	0·477
69703*	15	9·526	0·625
69704	11	10·267	0·697
69705	10	11·072	0·590
69706*	22	11·596	0·530
69707	12	11·849	0·613
69708*	21	12·790	0·481
69709	12	13·190	0·260
69710	13	15·373	0·167
69711	10	16·834	0·374
69712	12	17·240	0·311
69713	13	17·944	0·898
69714	10	18·183	0·074
69715	12	18·568	0·906
69716	13	20·513	0·440
69717*	14	22·891	0·414
69718	18	0·561	1·607
69719	33	2·249	1·153
69720	32	2·455	1·976
69721	19	3·157	1·625
69722*	30	8·602	1·484
69723	22	8·868	1·629
69724	12	10·265	1·456
69725	12	10·803	1·873
69726	12	10·940	1·658
69727	13	15·821	1·005
69728	13	17·881	1·252
69729	11	18·523	1·553
69730	11	18·689	1·226
69731	13	18·785	1·180
69732	11	20·487	1·175
69733	13	21·464	1·249
69734	12	21·780	1·459
69735	11	22·299	1·053
69736	13	23·232	1·075
69737	11	25·061	1·051
69738	19	25·299	1·492
69739	20	2·168	2·208
69740	18	3·774	2·747
69741	13	5·204	2·525
69742	13	5·941	2·567
69743	10	6·480	2·248
69744	11	8·785	2·230
69745	12	9·254	2·510
69746	13	9·540	2·310
69747	10	10·565	2·149
69748	12	12·470	2·593
69749	10	14·289	2·995
69750	10	14·561	2·939
69751	10	14·916	2·459
69752	9	16·351	2·637
69753	13	17·372	2·073
69754	10	17·658	2·807
69755	10	19·711	2·405
69756	10	19·925	2·834
69757	10	20·651	2·356
69758	10	20·894	2·351
69759	12	20·904	2·380
69760	10	21·899	2·080
69761	10	22·125	2·227
69762	16	23·719	2·075
69763	13	24·611	2·971
69764	19	1·124	3·402
69765	22	1·792	3·789
69766	21	1·898	3·780
69767	22	4·319	3·612
69768*	22	7·788	3·576
69769*	42	7·866	3·910
69770	12	8·904	3·598
69771	12	9·850	3·797
69772	10	11·496	3·630
69773	10	11·590	3·152
69774	12	11·749	3·478
69775	11	12·331	3·147
69776	11	14·389	3·335
69777	13	15·224	3·043
69778*	22	15·837	3·484
69779*	32	16·680	3·789
69780	10	17·579	3·204
69781	12	18·666	3·301
69782	10	19·401	3·265
69783	12	19·489	3·526
69784	10	19·562	3·317
69785	11	19·665	3·592
69786	10	20·511	3·769
69787	12	20·594	3·758
69788	11	22·713	3·682
69789	13	23·582	3·449
69790*	21	0·172	4·478
69791	21	0·533	4·929
69792	18	1·684	4·879
69793	14	3·399	4·100
69794	13	3·400	4·988
69795*	37	3·445	4·111
69796*	22	4·251	4·959
69797	11	4·611	4·057
69798	10	4·684	4·880
69799	12	4·755	4·021
69800	15	6·791	4·950
69801	11	8·078	4·370
69802	22	8·289	4·771
69803	11	8·460	4·961
69804	12	9·626	4·132
69805	10	9·689	4·452
69806	14	10·365	4·286
69807	12	11·067	4·282
69808	10	13·709	4·804
69809	11	14·216	4·437
69810	18	17·250	4·865
69811	10	19·559	4·207
69812*	23	20·905	4·615
69813	18	0·420	5·225
69814	18	1·531	5·925
69815	22	2·728	5·288
69816	22	3·884	5·815
69817*	32	3·909	5·215
69818	13	4·143	5·195
69819	16	4·617	5·458
69820	10	5·280	5·842
69821	11	5·905	5·694
69822	10	6·330	5·753
69823	12	7·020	5·263
69824	12	8·060	5·635
69825	10	9·054	5·605
69826	11	9·724	5·657
69827	12	10·980	5·114
69828	12	14·430	5·188
69829	15	15·420	5·335
69830	10	16·957	5·367
69831*	43	20·135	5·915
69832	10	20·361	5·852
69833	12	22·310	5·333
69834	12	23·395	5·563
69835	11	24·081	5·956
69836	12	24·589	5·003
69837	16	24·889	5·149
69838	11	25·400	5·891
69839	16	0·867	6·811
69840	19	2·738	6·945
69841	15	3·826	6·716
69842	12	4·972	6·294
69843	13	6·511	6·151
69844	10	8·456	6·601
69845	13	12·534	6·203
69846	10	15·600	6·603
69847	10	15·761	6·140
69848	11	17·491	6·412
69849	13	18·025	6·295
69850	22	18·415	6·043
69851	10	18·818	6·962
69852	20	19·395	6·006
69853	12	19·933	6·377
69854	10	20·610	6·105
69855	10	21·811	6·150
69856	11	21·925	6·168
69857	10	22·000	6·805
69858	9	22·903	6·733
69859	12	23·250	6·621
69860	13	23·925	6·882
69861	11	24·550	6·373
69862	12	24·870	6·205
69863	19	0·695	7·205
69864	22	0·711	7·160
69865	12	3·734	7·217
69866	11	4·113	7·101
69867	12	4·570	7·556
69868	10	6·866	7·229
69869	13	10·726	7·079
69870	11	13·117	7·181
69871	11	13·393	7·689
69872	12	13·474	7·207
69873	11	15·815	7·773
69874	12	19·516	7·446
69875	11	19·580	7·687
69876	10	20·412	7·071
69877	12	21·460	7·182
69878	11	22·840	7·377
69879	13	22·873	7·321
69880	11	23·378	7·575
69881	10	24·475	7·227
69882	12	25·385	7·867
69883	20	0·107	8·039
69884	11	0·214	8·232
69885	16	0·897	8·029
69886	15	1·257	8·230
69887	10	3·001	8·311
69888	10	4·105	8·364
69889	12	8·510	8·357
69890	11	12·740	8·775
69891*	20	14·008	8·097
69892	13	14·401	8·031
69893	10	15·415	8·245
69894*	29	15·511	8·089
69895	13	15·893	8·150
69896	11	16·230	8·388
69897	10	16·871	8·872
69898	12	22·029	8·683
69899	12	22·161	8·235
69900	12	24·055	8·584
69901*	22	1·308	9·649
69902	17	6·225	9·771
69903	12	7·311	9·796
69904	11	7·648	9·532
69905	12	8·385	9·741
69906	10	10·135	9·417
69907	12	11·019	9·004
69908	13	11·979	9·529
69909	11	12·988	9·404
69910	12	15·527	9·624
69911	13	15·575	9·348
69912	12	18·193	9·397
69913*	22	25·080	9·180
69914*	28	25·310	9·062
69915	11	25·488	9·781
69916	13	25·539	9·801
69917	14	25·883	9·798
69918	15	1·069	10·708
69919	13	2·217	10·713
69920	12	3·266	10·928
69921	10	4·593	10·486
69922	12	5·748	10·115
69923	12	6·369	10·149
69924	10	9·156	10·500
69925	12	9·710	10·420
69926	12	11·237	10·319
69927	10	12·122	10·118
69928	11	12·785	10·754
69929	11	13·511	10·911
69930	11	14·094	10·762
69931	12	14·795	10·854
69932	13	16·143	10·734
69933	12	16·798	10·967
69934*	23	17·474	10·169
69935	12	17·501	10·656
69936	12	18·400	10·871
69937	12	19·550	10·647
69938	10	21·711	10·995
69939	17	22·060	10·272
69940	12	25·095	10·444
69941	10	25·230	10·640
69942	10	25·917	10·246
69943	20	0·653	11·528
69944	13	1·381	11·873
69945	12	4·459	11·873
69946	12	5·453	11·282
69947	10	6·245	11·531
69948*	22	7·962	11·010
69949	11	8·330	11·091
69950	12	8·941	11·135
69951	12	8·946	11·468
69952	12	9·935	11·450

69953	11	11·135	11·868	70027*	26	25·099	14·163	70101	18	1·198	18·577	70175	9	15·075	21·253
69954	12	12·701	11·148	70028	11	25·925	14·663	70102	22	1·998	18·008	70176	11	15·701	21·791
69955	12	16·163	11·671	70029	17	0·491	15·361	70103*	30	3·870	18·176	70177*	20	16·156	21·375
69956	12	16·488	11·818	70030	22	1·577	15·722	70104	10	4·397	18·715	70178	13	18·030	21·351
69957	17	17·175	11·937	70031	11	6·208	15·278	70105	12	5·765	18·745	70179	12	18·670	21·620
69958	12	17·488	11·690	70032	11	7·365	15·655	70106	22	9·656	18·655	70180	13	19·585	21·916
69959	12	18·248	11·012	70033	12	8·258	15·308	70107	11	11·450	18·956	70181	11	21·459	21·349
69960	10	20·975	11·419	70034	10	8·295	15·269	70108	10	16·741	18·580	70182	12	24·255	21·295
69961	13	21·405	11·611	70035	11	8·408	15·075	70109	22	17·605	18·823	70183	12	24·501	21·858
69962	12	23·275	11·985	70036	12	8·463	15·530	70110	11	17·866	18·085	70184*	27	25·585	21·076
69963	10	23·931	11·903	70037	12	8·511	15·338	70111	10	18·758	18·148	70185	22	0·500	22·435
69964	10	24·571	11·161	70038	10	8·570	15·076	70112	12	19·356	18·175	70186	22	2·140	22·263
69965*	13	25·134	11·991	70039	12	9·478	15·739	70113	10	21·384	18·925	70187	19	2·295	22·417
69966	13	25·852	11·157	70040	10	14·030	15·824	70114	13	22·160	18·005	70188	15	2·493	22·350
69967	11	2·317	12·445	70041	12	14·750	15·522	70115	17	23·443	18·815	70189	14	3·145	22·870
69968*	25	2·775	12·661	70042	10	15·104	15·641	70116	19	0·413	19·685	70190	23	3·479	22·326
69969	14	2·835	12·112	70043	13	16·544	15·961	70117	10	3·075	19·664	70191	20	3·871	22·973
69970*	42	3·125	12·148	70044	9	16·627	15·551	70118	12	6·350	19·140	70192	12	6·174	22·616
69971*	13	3·451	12·733	70045*	39	17·100	15·786	70119	10	7·473	19·405	70193	9	7·112	22·699
69972	12	4·800	12·095	70046*	32	18·344	15·848	70120	10	7·900	19·484	70194	12	7·831	22·930
69973	13	5·345	12·065	70047	12	19·505	15·031	70121	11	8·546	19·296	70195	10	9·668	22·289
69974	12	5·600	12·119	70048	12	20·061	15·171	70122	12	8·627	19·720	70196	12	10·045	22·848
69975	10	7·145	12·662	70049	12	20·868	15·955	70123	11	10·351	19·904	70197	11	10·216	22·077
69976	12	8·030	12·141	70050	13	21·708	15·031	70124	10	10·481	19·908	70198	10	10·531	22·841
69977	10	8·418	12·636	70051	11	23·301	15·137	70125	11	13·506	19·716	70199	12	10·811	22·576
69978	11	9·856	12·431	70052	10	23·818	15·581	70126	10	14·050	19·265	70200	11	12·181	22·342
69979	12	12·139	12·430	70053	13	24·894	15·555	70127	11	16·553	19·558	70201	15	13·870	22·002
69980	11	12·180	12·408	70054	11	25·856	15·716	70128	10	16·885	19·440	70202	10	15·609	22·958
69981	12	12·711	12·808	70055	13	3·370	16·742	70129	11	17·124	19·028	70203	10	15·690	22·682
69982	12	15·173	12·418	70056	15	5·197	16·381	70130	12	21·643	19·450	70204	10	16·240	22·004
69983*	23	16·044	12·311	70057	10	5·608	16·276	70131	10	21·767	19·974	70205	10	17·574	22·174
69984*	13	17·981	12·851	70058	12	6·966	16·537	70132	10	23·030	19·976	70206	12	18·196	22·748
69985	15	18·289	12·862	70059	10	8·483	16·157	70133	11	23·126	19·389	70207	10	18·216	22·693
69986	12	20·124	12·613	70060	11	9·126	16·045	70134	12	23·531	19·538	70208	12	19·149	22·707
69987	10	21·745	12·204	70061	12	10·247	16·593	70135	11	24·029	19·382	70209	20	19·546	22·490
69988	12	22·094	12·308	70062	10	11·594	16·207	70136	13	24·556	19·507	70210	10	20·147	22·007
69989	12	23·150	12·868	70063	15	12·180	16·530	70137	12	24·850	19·425	70211	12	20·325	22·701
69990*	19	0·089	13·284	70064	12	15·120	16·325	70138	23	25·230	19·567	70212	11	23·935	22·268
69991*	19	0·527	13·773	70065	13	16·154	16·238	70139	13	2·893	20·480	70213	18	24·635	22·526
69992*	20	2·078	13·089	70066	13	20·108	16·286	70140	11	3·811	20·908	70214	18	25·946	22·296
69993	22	2·449	13·365	70067	11	20·721	16·322	70141	12	5·710	20·397	70215	22	1·865	23·390
69994	13	4·045	13·311	70068	11	20·857	16·951	70142	11	6·921	20·662	70216	13	4·296	23·791
69995	12	5·235	13·990	70069	11	21·127	16·178	70143	12	6·970	20·138	70217	11	6·061	23·301
69996	10	7·321	13·025	70070	12	21·271	16·014	70144	10	9·685	20·701	70218	14	7·290	23·690
69997	13	10·422	13·563	70071	11	21·414	16·781	70145	12	12·000	20·698	70219	14	9·980	23·889
69998	13	13·264	13·875	70072	13	21·471	16·800	70146	11	12·678	20·514	70220	10	12·681	23·785
69999	14	13·451	13·108	70073	12	23·608	16·849	70147	22	12·956	20·916	70221	11	18·455	23·004
70000	11	13·648	13·443	70074*	12	24·275	16·161	70148	11	13·547	20·011	70222	10	20·795	23·586
70001	10	14·773	13·191	70075	10	24·338	16·621	70149	12	13·676	20·745	70223	10	20·881	23·911
70002	12	16·638	13·653	70076	11	25·540	16·407	70150	12	18·880	20·876	70224	20	22·415	23·406
70003	10	19·801	13·337	70077	15	25·939	16·498	70151	11	19·190	20·000	70225	10	22·774	23·844
70004	10	22·166	13·001	70078	10	1·308	17·351	70152	10	19·300	20·668	70226	12	23·691	23·532
70005	11	22·663	13·341	70079	12	5·437	17·565	70153*	32	19·833	20·816	70227	14	23·905	23·714
70006	11	23·175	13·597	70080	11	5·447	17·455	70154	11	21·070	20·024	70228	13	24·225	23·676
70007	13	23·362	13·013	70081	12	5·845	17·423	70155	12	22·954	20·404	70229	14	25·655	23·561
70008	11	24·218	13·948	70082	11	6·795	17·512	70156	12	23·048	20·261	70230	15	25·785	23·645
70009	12	24·591	13·066	70083	10	7·650	17·686	70157	22	2·818	21·150	70231	14	25·915	23·448
70010	11	25·452	13·167	70084	10	8·351	17·748	70158*	23	2·915	21·501	70232*	24	2·904	24·951
70011	22	2·024	14·318	70085	12	8·850	17·834	70159	15	3·455	21·573	70233	12	3·327	24·906
70012	14	2·211	14·450	70086	12	9·556	17·070	70160	14	3·706	21·203	70234*	32	6·532	24·961
70013*	23	2·800	14·985	70087	13	10·295	17·984	70161	11	4·591	21·710	70235	11	6·933	24·442
70014	10	4·750	14·568	70088	10	11·665	17·688	70162	12	4·901	21·517	70236	12	7·021	24·878
70015	12	8·116	14·638	70089	10	11·668	17·580	70163	13	5·195	21·008	70237	13	7·406	24·458
70016	12	9·367	14·482	70090	10	11·871	17·249	70164*	29	5·298	21·602	70238	13	8·260	24·100
70017	11	9·606	14·249	70091	12	15·590	17·232	70165	10	5·750	21·427	70239	10	8·585	24·333
70018	11	11·039	14·045	70092	13	15·939	17·820	70166	10	6·146	21·058	70240	13	9·550	24·854
70019	12	11·474	14·299	70093	10	16·468	17·091	70167	12	7·643	21·748	70241	11	10·344	24·132
70020	14	20·050	14·891	70094	12	16·965	17·078	70168	12	9·515	21·350	70242	10	11·170	24·250
70021	11	20·196	14·673	70095	11	19·933	17·617	70169	22	11·015	21·882	70243	11	11·417	24·622
70022	9	21·223	14·642	70096*	24	22·251	17·278	70170*	32	11·407	21·281	70244	13	11·610	24·866
70023*	24	21·695	14·785	70097	10	22·675	17·592	70171	10	11·765	21·319	70245	11	11·765	24·173
70024	12	23·701	14·139	70098	11	24·620	17·995	70172	14	12·120	21·903	70246	10	13·255	24·857
70025	10	23·926	14·261	70099	11	24·770	17·425	70173	10	12·280	21·162	70247	15	13·380	24·263
70026	12	24·222	14·719	70100	12	25·510	17·892	70174	15	12·709	21·568	70248	23	16·080	24·471

70249	10	16·419	24·985
70250	10	19·033	24·970
70251	23	21·476	24·246
70252	13	22·633	24·341
70253	10	22·650	24·451
70254	13	22·935	24·871
70255	11	23·691	24·297
70256	22	24·655	24·358
70257*	33	2·164	25·292
70258*	32	2·761	25·499
70259	23	3·429	25·109
70260	22	6·301	25·126
70261	22	6·347	25·413
70262	17	7·284	25·644
70263	22	8·478	25·881
70264	22	9·050	25·317
70265	11	9·241	25·363
70266	12	11·083	25·140
70267	12	11·786	25·097
70268	11	12·076	25·463
70269	10	13·061	25·248
70270	13	13·840	25·447
70271	12	15·531	25·238
70272	11	15·811	25·248
70273	11	17·688	25·973
70274	10	19·045	25·317
70275	12	19·225	25·886
70276	21	25·744	25·998

R. A. 22h 43m

Plate 2026 ; 1902 Sept. 8.

Provisional Constants.

A	B	C
−·00027	+·00441	−·1469
D	**E**	**F**
−·00424	−·00076	−·2928

Mag. = $16·4 - 1·36\sqrt{d}$

No.	d	x	y
70301	23	5·255	0·315
70302*	22	6·424	0·329
70303	13	6·816	0·545
70304	11	9·874	0·050
70305	12	11·612	0·480
70306	13	12·535	0·040
70307	12	12·647	0·797
70308	11	13·450	0·404
70309	10	15·558	0·351
70310	12	17·120	0·584
70311	14	18·420	0·846
70312	12	19·576	0·005
70313	10	22·528	0·791
70314	19	22·920	0·595
70315	10	23·418	0·105
70316	20	2·050	1·611
70317*	30	7·214	1·127
70318*	22	8·565	1·474
70319	12	8·620	1·853
70320	11	10·696	1·511
70321	23	10·950	1·430
70322	10	13·244	1·737
70323	12	13·470	1·550

70324*	36	13·724	1·821	70398	23	1·716	5·276	70472	13	2·945	10·677	70546	13	23·554	14·060	70620	12	21·663	18·171
70325	11	14·208	1·191	70399	13	4·218	5·897	70473	14	3·752	10·316	70547	13	24·070	14·131	70621	10	22·861	18·781
70326	12	16·232	1·291	70400	13	7·200	5·860	70474	13	4·342	10·384	70548	15	24·199	14·593	70622	20	0·660	19·689
70327	10	18·077	1·839	70401	12	7·990	5·630	70475*	23	5·382	10·602	70549	10	25·100	14·982	70623	18	1·155	19·525
70328	11	18·270	1·355	70402*	23	9·122	5·120	70476	12	5·985	10·990	70550	12	25·164	14·064	70624	18	1·686	19·639
70329	12	19·112	1·924	70403	13	10·627	5·227	70477	11	7·165	10·481	70551	12	25·397	14·082	70625	19	1·974	19·549
70330	11	20·042	1·246	70404	22	13·258	5·010	70478	12	9·220	10·656	70552	11	25·829	14·490	70626	24	2·359	19·682
70331	22	20·111	1·650	70405	12	16·511	5·062	70479*	29	10·101	10·117	70553	13	1·938	15·677	70627	11	5·076	19·252
70332	10	21·349	1·875	70406	11	17·400	5·234	70480	13	11·780	10·825	70554	11	2·906	15·819	70628	12	7·535	19·049
70333	10	21·617	1·308	70407	10	17·460	5·732	70481	12	12·948	10·842	70555	13	3·137	15·071	70629	13	7·563	19·880
70334	12	21·945	1·176	70408	23	19·689	5·829	70482	16	13·037	10·580	70556	10	4·232	15·836	70630	10	9·081	19·224
70335	10	23·575	1·943	70409	12	20·672	5·639	70483	22	13·475	10·982	70557	12	6·268	15·948	70631	13	9·872	19·115
70336	13	24·920	1·650	70410	11	23·111	5·970	70484	22	15·111	10·140	70558	12	9·407	15·484	70632	10	10·911	19·974
70337	22	0·483	2·226	70411	10	24·927	5·366	70485	10	15·404	10·877	70559	10	12·032	15·908	70633	22	11·620	19·120
70338	14	2·998	2·020	70412	22	0·107	6·780	70486	12	17·879	10·841	70560	12	13·496	15·130	70634	13	12·720	19·561
70339	11	5·063	2·788	70413	17	0·929	6·099	70487*	46	18·000	10·022	70561	13	14·930	15·791	70635	10	13·816	19·786
70340*	21	5·545	2·695	70414	15	1·402	6·506	70488	10	23·450	10·025	70562	20	16·486	15·215	70636	10	15·650	19·960
70341	10	5·579	2·580	70415	15	1·720	6·331	70489	10	23·829	10·021	70563	12	18·750	15·100	70637	23	17·724	19·780
70342	13	6·099	2·174	70416	13	2·240	6·003	70490	11	23·832	10·480	70564	11	20·511	15·101	70638	13	18·092	19·029
70343	20	6·989	2·202	70417	13	3·875	6·049	70491	21	24·579	10·551	70565	10	23·474	15·346	70639	12	18·504	19·461
70344	13	7·377	2·585	70418	11	6·304	6·838	70492	11	1·525	11·291	70566*	20	24·000	15·140	70640	10	19·140	19·352
70345*	20	7·960	2·979	70419	12	8·643	6·361	70493	16	2·806	11·264	70567	15	24·518	15·800	70641	20	19·589	19·096
70346*	22	10·540	2·833	70420	12	10·880	6·708	70494	10	3·165	11·512	70568	10	25·955	15·127	70642	13	19·820	19·504
70347	22	10·670	2·610	70421*	45	11·939	6·775	70495	10	4·265	11·277	70569	18	0·680	16·999	70643	10	21·350	19·806
70348	12	11·248	2·940	70422	13	13·088	6·683	70496	13	12·646	11·450	70570*	21	1·333	16·298	70644	12	22·630	19·599
70349	10	11·789	2·458	70423	10	13·238	6·757	70497	12	13·651	11·950	70571	14	1·408	16·955	70645	10	23·535	19·788
70350*	22	13·050	2·128	70424	13	15·909	6·138	70498	12	13·930	11·196	70572	12	2·602	16·518	70646	23	25·960	19·251
70351	12	14·690	2·328	70425	13	17·950	6·719	70499	12	14·984	11·161	70573	14	3·004	16·597	70647	13	4·723	20·733
70352	13	15·364	2·592	70426	11	18·649	6·651	70500	12	18·126	11·850	70574	11	3·624	16·232	70648	13	5·274	20·451
70353*	33	18·230	2·864	70427	10	22·020	6·953	70501	12	23·514	11·838	70575	13	3·860	16·990	70649	10	9·119	20·101
70354	10	18·744	2·329	70428*	22	23·204	6·418	70502	13	0·246	12·141	70576	11	7·321	16·106	70650	13	11·104	20·545
70355	13	19·193	2·071	70429	10	24·272	6·216	70503*	23	2·104	12·110	70577	16	8·762	16·570	70651	21	11·939	20·021
70356	10	20·220	2·638	70430	13	24·727	6·804	70504	13	3·167	12·200	70578	13	9·372	16·190	70652	10	15·160	20·198
70357	15	22·877	2·263	70431	10	25·209	6·447	70505*	22	4·530	12·320	70579	10	11·497	16·286	70653	10	15·686	20·912
70358*	22	23·560	2·081	70432	13	0·257	7·732	70506	13	4·806	12·378	70580	13	13·892	16·118	70654	10	20·795	20·271
70359	19	25·294	2·503	70433	23	0·787	7·027	70507	12	5·042	12·809	70581	13	14·190	16·189	70655	13	22·711	20·221
70360	21	25·740	2·808	70434	12	2·269	7·980	70508	9	6·600	12·682	70582	19	16·703	16·051	70656	10	24·011	20·565
70361	21	0·370	3·601	70435	15	9·573	7·657	70509	12	15·062	12·827	70583	10	19·448	16·468	70657	20	25·000	20·160
70362	19	1·390	3·101	70436	12	10·455	7·501	70510	12	16·664	12·414	70584	10	21·980	16·212	70658	15	1·419	21·430
70363	18	2·813	3·332	70437	12	11·818	7·520	70511	10	18·262	12·341	70585	13	22·601	16·801	70659	13	1·681	21·991
70364	13	3·373	3·868	70438*	55	14·840	7·511	70512	13	19·380	12·554	70586	10	22·625	16·700	70660*	32	2·749	21·182
70365*	30	3·415	3·873	70439	23	23·717	7·845	70513*	25	20·112	12·402	70587	13	25·137	16·035	70661	18	3·620	21·110
70366	10	4·255	3·223	70440	10	24·637	7·432	70514	13	23·400	12·382	70588	13	25·802	16·181	70662	10	6·030	21·630
70367	13	7·360	3·734	70441	18	0·955	8·727	70515	12	23·837	12·625	70589	14	25·982	16·914	70663	12	7·100	21·089
70368	10	9·332	3·449	70442	12	4·290	8·492	70516	19	0·358	13·171	70590	11	3·773	17·039	70664	12	8·270	21·230
70369	11	9·430	3·681	70443	13	6·713	8·740	70517	15	1·585	13·199	70591	13	7·145	17·949	70665	10	8·335	21·506
70370	12	11·078	3·648	70444*	27	9·724	8·240	70518	13	3·340	13·080	70592	11	7·420	17·330	70666	11	8·458	21·300
70371	12	11·100	3·230	70445	11	9·860	8·230	70519	11	3·545	13·401	70593*	32	12·649	17·922	70667	13	11·127	21·352
70372	10	11·920	3·236	70446	12	11·411	8·186	70520	10	5·024	13·373	70594	13	12·720	17·880	70668	13	13·482	21·996
70373	9	12·880	3·828	70447	12	13·009	8·046	70521	29	6·170	13·563	70595	15	15·081	17·431	70669	12	13·519	21·531
70374	11	13·675	3·528	70448	10	13·800	8·937	70522	10	6·320	13·662	70596	12	15·466	17·315	70670	13	13·770	21·128
70375	12	13·822	3·385	70449	10	21·058	8·521	70523	10	7·211	13·487	70597	10	15·939	17·873	70671	13	14·293	21·614
70376	11	14·129	3·472	70450	11	22·885	8·248	70524	22	8·624	13·339	70598	13	16·170	17·786	70672	10	15·706	21·060
70377*	19	15·415	3·733	70451	10	25·762	8·560	70525	17	9·665	13·228	70599	10	16·366	17·971	70673*	30	15·722	21·280
70378*	31	17·014	3·929	70452*	34	1·990	9·304	70526*	32	11·451	13·474	70600	15	22·330	17·328	70674*	22	16·659	21·537
70379	11	17·889	3·748	70453*	40	2·220	9·181	70527	10	12·058	13·536	70601	10	24·244	17·825	70675	11	18·439	21·929
70380	12	18·668	3·199	70454	13	2·413	9·893	70528*	37	14·538	13·530	70602	11	24·540	17·771	70676	10	21·520	21·252
70381	13	23·110	3·802	70455	20	2·461	9·912	70529	12	14·552	13·220	70603	11	25·327	17·000	70677	12	22·850	21·798
70382	10	24·350	3·220	70456	15	2·805	9·904	70530	12	15·356	13·294	70604	32	0·559	18·970	70678	11	24·332	21·661
70383	11	24·393	3·060	70457	10	4·034	9·524	70531	25	15·550	13·380	70605	17	1·716	18·125	70679	13	24·634	21·845
70384*	17	7·530	4·788	70458	12	4·208	9·704	70532	22	16·373	13·028	70606	10	2·604	18·000	70680	11	25·177	21·392
70385	10	7·566	4·142	70459	10	7·790	9·349	70533	10	16·760	13·726	70607	11	4·186	18·490	70681	10	25·266	21·318
70386	12	16·114	4·827	70460	12	7·905	9·804	70534	12	20·337	13·484	70608	14	6·121	18·059	70682	11	3·131	22·395
70387	22	16·444	4·424	70461	11	8·374	9·618	70535	17	21·628	13·576	70609	10	6·355	18·402	70683	11	3·730	22·248
70388	10	17·088	4·397	70462	10	8·450	9·632	70536	10	24·249	13·011	70610	10	8·540	18·019	70684	15	4·218	22·422
70389	9	18·450	4·476	70463*	23	12·356	9·971	70537	22	0·720	14·288	70611	9	13·341	18·302	70685	13	4·224	22·651
70390	10	19·000	4·367	70464	10	15·220	9·371	70538	15	0·946	14·404	70612	22	14·723	18·997	70686	10	4·808	22·337
70391	12	20·112	4·088	70465	13	16·738	9·681	70539	22	1·250	14·858	70613	21	15·463	18·339	70687	13	5·689	22·439
70392	13	20·499	4·154	70466	13	19·520	9·018	70540*	41	2·114	14·281	70614	13	17·179	18·864	70688	19	9·331	22·816
70393	14	21·327	4·863	70467	10	21·144	9·161	70541	12	7·339	14·439	70615	10	18·176	18·088	70689	10	10·645	22·622
70394	23	22·200	4·794	70468	12	24·405	9·599	70542	10	7·614	14·532	70616	12	18·984	18·186	70690	9	10·935	22·185
70395	22	24·329	4·515	70469	11	24·496	9·608	70543	12	13·092	14·661	70617	10	19·803	18·084	70691	10	10·984	22·532
70396	22	0·231	5·719	70470	17	2·035	10·566	70544	12	15·630	14·690	70618	13	20·950	18·183	70692	13	12·774	22·777
70397	22	1·414	5·137	70471	10	2·172	10·762	70545	9	22·788	14·278	70619	22	21·023	18·361	70693	15	15·518	22·320

No.	d	x	y
70694	9	16·888	22·758
70695	10	17·470	22·583
70696	13	17·606	22·134
70697	10	18·380	22·224
70698	10	19·798	22·893
70699	15	19·891	22·006
70700	9	20·453	22·143
70701	10	21·936	22·590
70702	10	22·689	22·491
70703	10	23·650	22·756
70704	19	23·839	22·791
70705	20	25·919	22·547
70706	17	0·903	23·681
70707	25	1·121	23·858
70708	17	1·442	23·812
70709	20	2·870	23·668
70710	22	3·000	23·750
70711	12	3·126	23·551
70712	13	3·641	23·458
70713	13	6·104	23·180
70714	10	7·541	23·170
70715	10	7·965	23·351
70716	12	8·151	23·229
70717	12	10·450	23·464
70718	11	14·480	23·141
70719	13	17·725	23·374
70720	12	18·370	23·015
70721	14	19·030	23·886
70722*	42	20·438	23·599
70723	12	21·744	23·945
70724	10	23·566	23·644
70725	11	24·142	23·268
70726	21	1·885	24·489
70727	27	3·409	24·936
70728	10	10·905	24·794
70729	11	11·082	24·516
70730	15	12·482	24·014
70731	10	14·482	24·690
70732	11	17·215	24·800
70733*	42	17·263	24·640
70734	10	18·508	24·280
70735	13	20·907	24·200
70736	21	22·585	24·762
70737	10	23·440	24·280
70738	21	24·203	24·021
70739	17	25·615	24·933
70740	25	0·175	25·032
70741	12	5·850	25·677
70742	10	6·860	25·550
70743	13	8·310	25·055
70744	13	9·847	25·141
70745	10	10·355	25·940
70746	12	11·549	25·136
70747	10	11·609	25·280
70748	12	12·078	25·825
70749	9	15·470	25·661
70750	13	17·018	25·580
70751	13	21·086	25·891
70752	13	22·194	25·108

R. A. 22h 52m

Plate 1848; 1901 Oct. 18.

Provisional Constants.

A	B	C
−·00039	−·00307	+·3142
D	**E**	**F**
+·00319	−·00066	−·4146

Mag. = 17·2 − 1·36 $\sqrt{d}$

No.	d	x	y
70801	36	0·000	0·601
70802	11	3·640	0·826
70803	28	3·729	0·565
70804	11	6·271	0·358
70805	13	10·376	0·215
70806	10	13·252	0·610
70807	9	13·337	0·613
70808	10	13·399	0·659
70809	12	14·119	0·035
70810	31	14·845	0·864
70811	10	16·953	0·475
70812	11	19·371	0·794
70813	10	19·545	0·544
70814	11	20·522	0·465
70815	11	21·073	0·316
70816	9	21·147	0·155
70817	13	25·383	0·170
70818	14	2·006	1·636
70819*	35	5·270	1·698
70820	10	6·518	1·604
70821	10	8·639	1·117
70822	10	9·132	1·474
70823	22	9·358	1·855
70824	13	9·409	1·245
70825*	43	10·721	1·852
70826	17	11·075	1·145
70827	18	12·727	1·769
70828	10	14·853	1·394
70829	10	18·282	1·510
70830	13	18·905	1·597
70831	17	21·018	1·957
70832	10	21·339	1·244
70833	11	21·686	1·664
70834	13	21·997	1·945
70835	22	24·505	1·893
70836	11	25·118	1·676
70837	11	25·832	1·616
70838*	42	0·655	2·083
70839	28	2·395	2·483
70840	28	2·845	2·780
70841	13	3·717	2·181
70842	12	4·493	2·948
70843	12	6·783	2·965
70844	14	7·386	2·246
70845	22	8·247	2·515
70846	14	8·611	2·111
70847	10	9·046	2·800
70848	22	10·099	2·202
70849	10	11·608	2·126
70850	14	11·827	2·068
70851	10	12·145	2·066
70852	20	12·344	2·993
70853	10	12·556	2·291
70854	20	15·766	2·882
70855	12	16·215	2·154
70856	10	18·557	2·597

No.	d	x	y
70857	11	20·831	2·874
70858	11	22·370	2·194
70859	23	0·228	3·809
70860	15	1·462	3·210
70861	15	1·503	3·048
70862	26	3·791	3·380
70863	20	4·732	3·540
70864	11	5·042	3·407
70865*	57	5·120	3·396
70866	19	5·780	3·325
70867	10	8·504	3·417
70868	12	8·856	3·709
70869	14	10·132	3·583
70870	11	13·200	3·664
70871	14	13·798	3·903
70872	10	15·044	3·186
70873	11	16·816	3·030
70874	17	17·685	3·219
70875	13	18·536	3·257
70876	10	19·703	3·131
70877	19	21·033	3·386
70878	10	21·347	3·646
70879	12	22·088	3·678
70880	12	23·342	3·218
70881	15	24·451	3·068
70882	24	25·610	3·173
70883	38	1·456	4·506
70884	32	4·103	4·810
70885	14	4·618	4·078
70886	13	5·255	4·039
70887	13	6·135	4·085
70888	10	6·290	4·730
70889	12	6·579	4·137
70890*	40	9·092	4·544
70891	22	9·438	4·144
70892	13	12·115	4·322
70893*	30	13·088	4·376
70894	10	13·972	4·307
70895	18	14·040	4·742
70896	10	15·110	4·483
70897	10	17·459	4·260
70898	10	19·091	4·016
70899	10	19·515	4·963
70900	12	19·544	4·699
70901	13	20·170	4·368
70902	10	20·230	4·736
70903	19	21·232	4·308
70904	16	21·872	4·709
70905	13	22·234	4·968
70906	25	24·445	4·974
70907	13	25·528	4·732
70908	18	0·257	5·976
70909	13	2·063	5·348
70910	30	4·896	5·219
70911	10	5·644	5·553
70912	11	6·768	5·665
70913	11	6·808	5·037
70914	10	7·470	5·558
70915	9	7·510	5·159
70916	13	9·854	5·247
70917	18	15·703	5·733
70918	15	18·395	5·635
70919	10	18·636	5·799
70920	11	19·650	5·166
70921	10	23·805	5·822
70922	10	24·302	5·643
70923	10	24·645	5·163
70924	10	24·809	5·573
70925	13	25·517	5·115
70926*	30	0·356	6·424
70927	13	1·420	6·205
70928	22	1·885	6·793
70929	10	2·359	6·426
70930	18	3·260	6·253

No.	d	x	y
70931	19	7·647	6·000
70932*	46	8·196	6·884
70933	10	9·695	6·486
70934	13	9·992	6·056
70935	13	14·375	6·533
70936	10	14·931	6·322
70937	16	20·077	6·058
70938	35	21·861	6·895
70939	10	22·521	6·197
70940	12	23·229	6·096
70941	13	23·525	6·385
70942	11	23·623	6·845
70943	14	25·617	6·809
70944	17	25·874	6·312
70945	32	0·889	7·844
70946	10	1·802	7·419
70947	10	2·842	7·641
70948	13	4·412	7·515
70949	20	4·505	7·991
70950	10	4·875	7·688
70951	10	6·016	7·916
70952	12	6·169	7·995
70953	13	7·117	7·935
70954	10	10·827	7·165
70955	12	13·595	7·392
70956	20	13·899	7·370
70957	10	14·204	7·474
70958	14	14·438	7·221
70959	22	15·372	7·032
70960	13	18·417	7·599
70961	12	18·718	7·978
70962	10	19·926	7·806
70963	13	20·326	7·293
70964	10	20·917	7·274
70965*	69	23·454	7·250
70966	16	0·060	8·254
70967	10	6·180	8·175
70968	13	6·326	8·848
70969	35	9·150	8·666
70970	10	10·265	8·505
70971	10	10·600	8·310
70972	13	16·045	8·905
70973	13	18·554	8·783
70974	10	19·188	8·384
70975	18	19·559	8·915
70976	10	20·422	8·083
70977	10	21·054	8·796
70978	10	21·915	8·089
70979	18	1·597	9·590
70980	16	1·689	9·598
70981	10	3·674	9·485
70982	11	4·909	9·804
70983	20	5·040	9·143
70984	13	5·388	9·546
70985	10	9·817	9·135
70986	10	10·413	9·142
70987	10	10·613	9·037
70988	22	11·222	9·644
70989	10	13·134	9·732
70990	10	14·208	9·058
70991	10	19·591	9·769
70992	13	19·681	9·475
70993	11	20·987	9·185
70994	19	21·163	9·250
70995	10	21·917	9·336
70996	12	24·499	9·463
70997	15	0·647	10·023
70998	13	1·025	10·017
70999	19	1·039	10·476
71000	28	1·784	10·539
71001	12	3·026	10·729
71002	12	3·225	10·396
71003	10	4·420	10·950
71004	9	5·933	10·922

No.	d	x	y
71005	11	6·821	10·352
71006	13	7·497	10·866
71007	12	7·576	10·103
71008	13	9·409	10·768
71009	10	9·425	10·526
71010	10	9·950	10·460
71011	11	10·238	10·482
71012	10	10·631	10·668
71013	22	11·798	10·435
71014	10	13·480	10·720
71015	10	20·680	10·510
71016	10	20·976	10·748
71017	12	23·038	10·732
71018	13	23·113	10·155
71019	10	23·517	10·113
71020	10	23·618	10·129
71021	11	23·789	10·208
71022	10	24·693	10·940
71023	18	25·633	10·514
71024	22	0·733	11·539
71025	11	4·158	11·425
71026	10	6·429	11·293
71027*	56	8·170	11·969
71028	10	8·596	11·076
71029	13	16·935	11·544
71030	17	17·426	11·595
71031	19	19·194	11·482
71032	13	21·330	11·694
71033	9	21·413	11·696
71034	8	23·269	11·706
71035	10	23·921	11·958
71036	13	24·506	11·122
71037	13	25·426	11·467
71038	22	0·628	12·384
71039	23	1·067	12·623
71040	10	4·353	12·389
71041	10	5·167	12·873
71042	19	5·432	12·654
71043	12	6·235	12·274
71044	10	7·211	12·058
71045	21	9·424	12·988
71046	19	9·741	12·209
71047*	38	10·145	12·878
71048	13	10·421	12·821
71049	10	13·528	12·733
71050	16	14·485	12·520
71051*	41	14·565	12·511
71052	12	17·711	12·255
71053	10	17·850	12·748
71054	13	19·501	12·839
71055	10	19·525	12·515
71056	10	20·988	12·968
71057	11	21·708	12·523
71058	13	24·520	12·557
71059	13	3·912	13·971
71060	10	4·588	13·995
71061	11	5·511	13·172
71062	22	7·589	13·149
71063	22	7·777	13·407
71064	10	8·082	13·796
71065	12	9·900	13·304
71066	16	11·841	13·388
71067	13	12·947	13·640
71068	10	14·645	13·643
71069	10	17·400	13·334
71070	10	23·596	13·197
71071	10	23·628	13·545
71072	13	23·976	13·678
71073	15	23·984	13·782
71074	10	24·286	13·189
71075	12	25·081	13·488
71076	17	0·042	14·287
71077	22	0·806	14·056
71078	22	1·322	14·122

71079	23	1·454	14·585
71080	10	2·360	14·960
71081	10	2·415	14·040
71082	17	2·648	14·056
71083	13	3·085	14·461
71084	29	3·758	14·095
71085*	40	3·778	14·176
71086	10	4·197	14·354
71087	10	9·035	14·200
71088	22	9·237	14·069
71089	11	10·110	14·884
71090	21	10·227	14·300
71091	12	10·584	14·373
71092	10	12·367	14·621
71093	10	15·824	14·633
71094	10	15·945	14·733
71095	13	16·570	14·978
71096	20	19·648	14·741
71097	10	20·716	14·125
71098	10	20·801	14·430
71099	11	21·867	14·284
71100	10	25·932	14·748
71101	13	0·738	15·348
71102*	36	1·262	15·134
71103	27	1·792	15·788
71104	10	2·723	15·196
71105	12	3·197	15·186
71106	10	3·220	15·092
71107	11	4·178	15·162
71108	13	4·583	15·598
71109	11	8·384	15·114
71110	10	9·910	15·680
71111	13	10·844	15·175
71112	10	13·509	15·070
71113	14	13·672	15·299
71114	13	16·666	15·507
71115	10	18·058	15·478
71116	22	18·314	15·404
71117	12	18·645	15·324
71118	10	18·668	15·699
71119	13	20·195	15·886
71120	29	22·406	15·154
71121	10	24·611	15·357
71122	22	2·413	16·009
71123	10	2·485	16·905
71124	14	2·618	16·976
71125	13	3·080	16·148
71126	22	3·270	16·886
71127	10	3·795	16·118
71128	11	3·976	16·340
71129	10	5·311	16·518
71130	10	6·133	16·002
71131	10	6·370	16·159
71132	11	7·196	16·067
71133	10	7·582	16·228
71134	10	7·726	16·482
71135	10	8·089	16·368
71136	10	8·849	16·989
71137	10	8·907	16·334
71138	10	9·154	16·355
71139	10	9·311	16·881
71140	13	11·385	16·394
71141	10	12·130	16·275
71142	13	12·351	16·547
71143	13	12·845	16·273
71144	13	12·871	16·281
71145	11	13·071	16·582
71146	18	13·541	16·424
71147	11	14·895	16·728
71148	10	17·236	16·832
71149	10	17·993	16·035
71150	13	18·718	16·679
71151	10	18·772	16·783
71152	10	20·000	16·302

71153	10	20·028	16·203
71154	22	21·719	16·359
71155	10	22·137	16·736
71156	10	24·299	16·927
71157	22	25·005	16·533
71158	10	0·545	17·815
71159	12	1·840	17·757
71160	12	3·302	17·370
71161	10	4·522	17·043
71162	11	5·206	17·725
71163	13	8·881	17·569
71164	10	9·029	17·474
71165	10	9·225	17·694
71166	13	9·852	17·087
71167	10	11·766	17·680
71168	18	11·973	17·529
71169	10	12·020	17·177
71170	13	12·863	17·104
71171	11	14·368	17·355
71172	10	14·572	17·317
71173*	37	14·762	17·812
71174	22	14·796	17·868
71175	10	15·139	17·904
71176	10	16·311	17·317
71177	10	16·971	17·061
71178	10	17·616	17·488
71179	10	18·975	17·097
71180	13	19·758	17·000
71181	12	22·149	17·779
71182	13	23·795	17·680
71183	11	24·684	17·257
71184	13	24·832	17·257
71185	10	25·126	17·616
71186	10	25·363	17·544
71187	10	25·551	17·086
71188	11	0·173	18·787
71189	26	4·144	18·658
71190	10	4·964	18·883
71191	17	5·234	18·890
71192	16	5·263	18·901
71193	10	6·405	18·211
71194	10	7·563	18·267
71195	10	7·754	18·420
71196	10	8·699	18·723
71197	22	9·281	18·217
71198	10	9·424	18·383
71199	13	9·906	18·007
71200	10	10·226	18·074
71201	10	10·896	18·239
71202	13	12·951	18·207
71203	10	13·439	18·433
71204	18	16·513	18·714
71205	12	16·539	18·463
71206	10	19·357	18·338
71207	13	22·718	18·399
71208	12	23·752	18·631
71209	10	23·958	18·492
71210	32	3·276	19·217
71211	10	5·089	19·198
71212	13	5·163	19·010
71213	10	6·411	19·603
71214	11	8·184	19·680
71215	17	8·968	19·765
71216	10	9·304	19·014
71217	10	9·532	19·424
71218	21	10·918	19·385
71219*	41	11·248	19·857
71220	9	11·738	19·696
71221	9	14·654	19·803
71222	12	16·782	19·602
71223	10	17·401	19·358
71224	10	22·210	19·113
71225	10	22·337	19·268
71226	26	22·958	19·562

71227	13	23·539	19·932
71228	13	24·611	19·649
71229	10	25·655	19·501
71230	23	0·040	20·230
71231	18	1·344	20·557
71232	32	2·325	20·137
71233*	46	3·368	20·217
71234	11	4·531	20·095
71235	13	7·356	20·996
71236	10	8·586	20·616
71237	10	8·603	20·627
71238	15	12·079	20·497
71239	18	13·949	20·557
71240	15	14·173	20·800
71241*	40	14·587	20·597
71242	10	16·049	20·819
71243	9	16·168	20·877
71244	10	16·701	20·985
71245	11	16·981	20·342
71246	13	17·472	20·906
71247	11	19·645	20·294
71248	10	21·165	20·294
71249	21	22·820	20·960
71250	10	23·289	20·136
71251	10	23·921	20·385
71252	10	24·693	20·239
71253	13	24·914	20·967
71254	19	0·199	21·807
71255	11	1·679	21·648
71256	17	1·986	21·833
71257	13	2·520	21·368
71258	11	2·611	21·293
71259	10	4·602	21·673
71260	13	4·812	21·433
71261	10	5·300	21·235
71262	18	7·075	21·396
71263	11	9·902	21·286
71264	9	10·197	21·322
71265	10	10·497	21·295
71266	18	12·338	21·943
71267	16	13·278	21·781
71268	13	14·804	21·323
71269	19	14·907	21·838
71270	26	16·361	21·287
71271	21	19·284	21·949
71272	10	20·172	21·553
71273*	33	20·606	21·096
71274	12	21·606	21·402
71275	11	22·331	21·689
71276	10	22·366	21·405
71277	13	24·246	21·421
71278	11	25·687	21·766
71279	28	1·200	22·792
71280	22	3·279	22·512
71281	13	4·401	22·701
71282	24	5·265	22·988
71283*	32	7·301	22·196
71284	10	8·832	22·333
71285*	26	10·194	22·726
71286	10	12·432	22·763
71287	10	13·013	22·073
71288	10	13·745	22·763
71289	22	14·185	22·676
71290	9	14·719	22·688
71291	22	15·135	22·457
71292	13	15·600	22·695
71293	20	16·277	22·120
71294	11	16·548	22·095
71295	13	16·638	22·324
71296	9	18·480	22·353
71297	10	22·641	22·677
71298	11	23·008	22·963
71299	12	23·073	22·525
71300	32	23·719	22·755

71301	16	1·509	23·257
71302	10	4·400	23·018
71303	10	7·046	23·545
71304	10	7·637	23·829
71305	10	7·862	23·035
71306*	25	12·436	23·198
71307	10	12·994	23·313
71308	10	14·983	23·819
71309	10	17·406	23·108
71310	9	17·801	23·873
71311	10	18·197	23·970
71312	14	22·767	23·245
71313	13	24·587	23·149
71314	27	1·580	24·010
71315	20	3·005	24·906
71316*	53	3·480	24·627
71317	12	10·036	24·227
71318	10	10·469	24·964
71319	10	11·808	24·369
71320	10	12·150	24·912
71321	9	12·656	24·447
71322	10	12·827	24·669
71323	13	13·833	24·012
71324	10	14·610	24·349
71325	10	15·466	24·573
71326	16	15·677	24·224
71327	10	16·859	24·277
71328	10	17·672	24·289
71329	10	17·931	24·232
71330	13	18·856	24·652
71331	10	19·025	24·649
71332	20	23·501	24·405
71333	13	24·067	24·277
71334	9	24·638	24·536
71335	20	4·050	25·593
71336	13	5·319	25·407
71337	18	5·512	25·613
71338	18	8·160	25·784
71339	20	8·500	25·121
71340	10	10·029	25·181
71341	13	11·654	25·298
71342*	29	14·635	25·197
71343	10	14·701	25·409
71344	10	19·748	25·304
71345	10	21·376	25·794
71346	10	22·800	25·700
71347*	53	25·420	25·628

R. A. $23^h\ 1^m$

Plate 1849; 1901 Oct. 18.

Provisional Constants.

A	B	C
−·00044	+·00751	+·0058
D	E	F
−·00752	−·00069	−·3588

Mag. $= 17{\cdot}0 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
71401	30	2·648	0·475
71402	20	3·001	0·680
71403	22	3·977	0·389
71404	16	4·656	0·379

71405	14	6·140	0·677
71406	14	7·355	0·426
71407	13	9·297	0·775
71408	16	9·402	0·175
71409	9	11·790	0·083
71410	12	12·699	0·917
71411	12	13·059	0·290
71412	20	14·475	0·011
71413	17	14·655	0·520
71414	10	16·082	0·169
71415	20	16·285	0·535
71416	9	18·335	0·640
71417	24	18·403	0·775
71418	10	19·036	0·823
71419*	31	19·258	0·048
71420*	33	19·882	0·337
71421	20	20·500	0·598
71422	44	0·866	1·870
71423	16	1·472	1·638
71424	15	2·180	1·555
71425	17	3·843	1·888
71426	22	5·566	1·405
71427	9	5·889	1·577
71428	8	6·700	1·505
71429	15	7·747	1·364
71430	13	7·825	1·741
71431	24	10·315	1·106
71432	20	10·436	1·444
71433	9	11·926	1·659
71434	11	14·727	1·187
71435*	50	14·831	1·484
71436	10	16·531	1·650
71437	11	16·999	1·535
71438	12	17·862	1·433
71439	7	18·506	1·411
71440	8	19·972	1·951
71441	11	21·045	1·225
71442	10	21·562	1·520
71443	11	21·687	1·104
71444	15	22·130	1·050
71445*	30	22·212	1·771
71446	8	22·571	1·200
71447	23	24·394	1·071
71448	35	5·250	2·008
71449	23	5·657	2·235
71450	12	6·403	2·024
71451	9	6·511	2·076
71452	23	6·961	2·520
71453	15	9·561	2·397
71454*	40	12·891	2·742
71455	23	13·649	2·101
71456	16	14·191	2·434
71457*	40	15·580	2·158
71458*	39	18·314	2·723
71459	22	18·680	2·663
71460	20	19·167	2·029
71461	20	20·882	2·335
71462	12	21·282	2·882
71463	25	21·851	2·027
71464	12	22·281	2·940
71465	10	22·989	2·071
71466	29	0·847	3·051
71467	34	2·011	3·122
71468	15	2·726	3·955
71469	16	3·251	3·209
71470	10	6·664	3·653
71471	13	7·291	3·139
71472	10	8·550	3·819
71473	9	10·833	3·151
71474	10	11·271	3·699
71475	12	11·550	3·706
71476	22	11·639	3·830
71477	12	14·140	3·116
71478	12	14·218	3·740

71479	12	18·477	3·895	71553	18	3·815	7·095	71627	12	10·671	11·359	71701	12	18·955	15·922	71775	22	9·698	18·674
71480	19	18·610	3·805	71554	8	7·271	7·275	71628	17	13·011	11·352	71702	16	21·660	15·950	71776	14	9·920	18·422
71481	19	19·146	3·220	71555	11	7·323	7·782	71629	15	13·852	11·324	71703	10	21·817	15·342	71777	19	11·442	18·502
71482	10	20·671	3·561	71556*	40	7·540	7·185	71630*	53	18·522	11·530	71704	9	22·711	15·707	71778	10	11·915	18·991
71483	12	23·399	3·413	71557	10	7·907	7·122	71631	16	18·572	11·562	71705	12	23·269	15·874	71779	11	14·061	18·755
71484	40	0·900	4·955	71558	10	8·041	7·866	71632	12	18·663	11·603	71706	9	23·361	15·164	71780	10	15·130	18·376
71485	21	1·975	4·680	71559	18	8·551	7·246	71633	9	18·682	11·206	71707	23	23·863	15·708	71781	12	17·391	18·870
71486	14	2·717	4·507	71560	12	10·570	7·838	71634	14	20·463	11·135	71708	10	24·889	15·896	71782	10	17·421	18·205
71487	21	8·300	4·199	71561	31	11·642	7·051	71635*	31	21·855	11·945	71709	21	25·313	15·443	71783*	30	17·527	18·811
71488	10	9·304	4·264	71562*	30	15·231	7·181	71636	16	24·016	11·169	71710	32	1·814	16·492	71784	10	20·625	18·089
71489	7	10·095	4·171	71563	9	17·437	7·878	71637	20	24·907	11·030	71711	16	3·637	16·215	71785	17	21·241	18·655
71490	12	10·585	4·929	71564	12	18·585	7·365	71638	22	25·109	11·735	71712	30	4·191	16·026	71786	24	21·395	18·878
71491	23	11·239	4·642	71565	8	21·961	7·300	71639	15	26·000	11·197	71713	9	4·818	16·800	71787	10	21·603	18·999
71492	17	12·903	4·345	71566	12	25·755	7·477	71640	20	1·206	12·532	71714	13	5·486	16·530	71788	15	21·724	18·799
71493	13	15·671	4·238	71567	13	2·819	8·826	71641	14	3·714	12·601	71715	11	6·823	16·699	71789	11	23·715	18·649
71494	9	17·359	4·525	71568	12	4·458	8·187	71642	12	10·166	12·987	71716	9	7·483	16·356	71790	21	24·125	18·787
71495	14	19·106	4·540	71569	11	5·235	8·840	71643	10	11·751	12·342	71717	8	8·630	16·126	71791	10	25·460	18·245
71496	10	19·322	4·355	71570	10	6·968	8·371	71644	15	11·761	12·035	71718	24	8·710	16·276	71792	12	25·645	18·837
71497	12	19·685	4·510	71571	23	8·255	8·191	71645	10	11·900	12·229	71719	9	10·223	16·306	71793	11	25·971	18·756
71498*	35	20·595	4·455	71572	14	8·781	8·001	71646	11	11·994	12·785	71720	11	14·681	16·350	71794	24	0·449	19·930
71499	8	21·069	4·494	71573	20	14·609	8·080	71647	12	13·092	12·640	71721	19	14·960	16·843	71795	21	1·511	19·618
71500	6	23·970	4·193	71574	15	15·408	8·352	71648	23	13·578	12·888	71722	22	16·133	16·524	71796	14	2·553	19·439
71501	15	25·397	4·110	71575	8	16·045	8·811	71649	16	13·908	12·227	71723	15	16·549	16·525	71797	13	3·784	19·491
71502	23	25·399	4·710	71576	14	16·425	8·715	71650	11	16·571	12·044	71724	20	17·241	16·066	71798*	41	8·650	19·470
71503	15	0·385	5·819	71577	12	16·469	8·155	71651*	28	17·967	12·265	71725	14	20·150	16·968	71799	19	10·594	19·956
71504	10	1·975	5·065	71578	23	18·074	8·212	71652	19	19·042	12·177	71726	18	21·022	16·280	71800	10	10·910	19·737
71505*	28	4·872	5·349	71579	8	18·951	8·726	71653	15	19·086	12·784	71727*	40	21·885	16·106	71801	10	14·239	19·589
71506*	33	9·505	5·391	71580	15	21·122	8·924	71654*	31	19·480	12·700	71728	23	21·903	16·342	71802	20	14·866	19·010
71507	11	9·989	5·151	71581	17	24·314	8·225	71655	27	20·774	12·360	71729	9	22·905	16·661	71803	19	15·671	19·457
71508	12	11·092	5·800	71582	24	24·435	8·701	71656	26	21·294	12·539	71730	7	23·326	16·720	71804	13	16·821	19·310
71509	9	11·446	5·762	71583	8	24·760	8·398	71657	21	21·417	12·730	71731	10	24·251	16·360	71805	14	17·356	19·120
71510	10	11·842	5·665	71584	8	24·940	8·639	71658	12	21·915	12·156	71732	9	24·675	16·965	71806	9	18·026	19·819
71511	12	12·322	5·150	71585*	28	25·310	8·093	71659	12	22·420	12·721	71733	14	25·747	16·464	71807	9	18·242	19·341
71512	8	13·587	5·336	71586	11	25·855	8·387	71660	24	25·600	12·036	71734	11	25·839	16·943	71808	7	18·896	19·961
71513	22	13·949	5·421	71587	16	1·092	9·439	71661	16	0·301	13·200	71735	27	0·636	17·674	71809	11	19·203	19·505
71514	32	15·496	5·113	71588	11	3·835	9·576	71662	21	0·697	13·666	71736	16	1·514	17·226	71810	10	19·478	19·603
71515	10	15·549	5·590	71589	10	3·904	9·564	71663	18	1·794	13·445	71737	21	1·660	17·221	71811	8	20·039	19·678
71516	14	15·626	5·331	71590	10	4·719	9·080	71664	12	4·370	13·405	71738	11	1·964	17·570	71812	10	20·771	19·246
71517	16	17·539	5·877	71591	12	5·190	9·417	71665*	32	5·755	13·330	71739	10	2·200	17·492	71813	7	22·152	19·820
71518*	32	18·321	5·180	71592	14	6·815	9·420	71666	13	6·156	13·016	71740	9	2·373	17·030	71814	8	23·062	19·193
71519	11	18·531	5·652	71593	36	8·541	9·304	71667	12	8·270	13·907	71741	17	3·679	17·681	71815	12	23·234	19·057
71520	12	18·974	5·645	71594	11	8·777	9·000	71668	10	11·391	13·455	71742	14	4·777	17·611	71816	11	25·233	19·239
71521	8	20·950	5·465	71595*	60	10·007	9·794	71669	13	12·653	13·925	71743	12	5·000	17·294	71817	19	1·610	20·208
71522	18	22·429	5·409	71596	12	10·242	9·441	71670	15	16·987	13·017	71744	13	6·186	17·874	71818	22	1·855	20·926
71523	14	24·134	5·930	71597	12	11·542	9·558	71671	21	19·872	13·488	71745	19	7·882	17·879	71819	13	3·498	20·616
71524	12	25·880	5·870	71598	10	14·371	9·097	71672	10	20·096	13·040	71746	13	7·905	17·971	71820	17	5·328	20·760
71525	18	0·024	6·393	71599	11	25·809	9·286	71673	22	22·715	13·700	71747	6	8·169	17·755	71821	12	5·920	20·493
71526	14	0·135	6·850	71600	15	0·231	10·135	71674	9	22·730	13·418	71748	16	9·511	17·850	71822	13	6·585	20·860
71527	20	2·126	6·754	71601	18	0·404	10·209	71675	9	23·370	13·802	71749	13	9·630	17·869	71823	9	7·118	20·762
71528	22	2·367	6·250	71602	13	1·328	10·909	71676	8	25·260	13·541	71750	10	13·088	17·305	71824	12	7·541	20·901
71529	13	3·039	6·650	71603	22	2·256	10·456	71677	9	25·751	13·510	71751	13	14·592	17·462	71825	31	8·539	20·411
71530	14	6·557	6·469	71604	22	6·425	10·375	71678	12	2·681	14·679	71752	14	15·442	17·052	71826	11	8·610	20·047
71531	21	12·221	6·943	71605	11	7·978	10·912	71679	14	4·706	14·233	71753	12	15·812	17·701	71827	8	8·776	20·916
71532	8	12·283	6·668	71606	12	8·702	10·201	71680	9	4·814	14·660	71754*	40	16·250	17·983	71828	10	9·701	20·023
71533	15	14·430	6·742	71607	30	9·765	10·592	71681	17	6·610	14·970	71755	9	16·751	17·782	71829	15	11·434	20·695
71534	18	14·721	6·288	71608	12	10·210	10·630	71682*	44	6·736	14·406	71756	10	17·491	17·870	71830	12	13·536	20·615
71535*	40	15·018	6·176	71609	16	11·650	10·776	71683	17	13·061	14·020	71757	7	19·369	17·590	71831	15	16·415	20·150
71536	8	16·095	6·269	71610	20	13·705	10·651	71684	10	17·251	14·042	71758	15	21·130	17·805	71832	8	16·649	20·028
71537	13	16·249	6·816	71611	11	13·950	10·911	71685	20	18·790	14·286	71759	29	21·825	17·791	71833	12	18·050	20·282
71538	9	16·323	6·533	71612	14	14·695	10·666	71686	9	20·433	14·395	71760	12	21·846	17·999	71834*	31	18·299	20·143
71539	9	19·490	6·306	71613	10	16·703	10·207	71687	12	21·552	14·815	71761	10	22·901	17·558	71835	10	18·436	20·832
71540	9	19·542	6·083	71614	14	18·115	10·795	71688	12	23·166	14·390	71762	10	24·519	17·910	71836	19	20·059	20·541
71541	12	20·590	6·803	71615	10	20·879	10·859	71689	19	23·940	14·042	71763	19	25·533	17·119	71837	11	20·460	20·763
71542	17	20·761	6·299	71616	13	21·500	10·358	71690	12	25·309	14·582	71764	22	0·623	18·627	71838	10	21·990	20·425
71543	8	22·509	6·066	71617	10	21·775	10·397	71691	15	1·381	15·327	71765	12	0·825	18·481	71839	14	22·432	20·586
71544	12	22·601	6·779	71618	20	22·236	10·809	71692	30	3·026	15·466	71766	13	3·371	18·558	71840	20	23·643	20·175
71545	8	22·869	6·660	71619	10	25·505	10·552	71693	11	4·070	15·722	71767	13	3·999	18·621	71841	9	24·456	20·714
71546	9	22·943	6·247	71620	15	0·587	11·951	71694	12	4·392	15·535	71768	12	4·552	18·361	71842	19	24·710	20·347
71547	10	23·814	6·575	71621	22	1·149	11·101	71695	10	4·541	15·269	71769	10	4·586	18·153	71843	22	1·202	21·402
71548	20	24·085	6·749	71622	16	2·078	11·416	71696*	63	4·865	15·541	71770	20	4·603	18·455	71844	14	2·652	21·700
71549	16	0·525	7·995	71623	21	3·635	11·595	71697	10	6·126	15·481	71771	20	6·728	18·775	71845	15	3·155	21·096
71550	18	2·871	7·470	71624	9	5·755	11·245	71698	12	10·933	15·313	71772	11	7·215	18·576	71846	15	4·817	21·961
71551	13	3·494	7·222	71625	12	7·527	11·240	71699	12	13·473	15·244	71773*	32	8·585	18·281	71847	16	7·835	21·110
71552	12	3·790	7·561	71626	13	9·970	11·804	71700	10	14·913	15·481	71774	15	9·630	18·698	71848	22	10·857	21·186

No.	d	x	y
71849	28	15·165	21·980
71850	12	15·233	21·921
71851	13	15·585	21·333
71852	12	16·321	21·524
71853	9	16·566	21·525
71854	12	19·051	21·486
71855	12	19·900	21·813
71856	22	22·635	21·661
71857	14	22·655	21·644
71858	9	23·086	21·443
71859	14	23·206	21·367
71860	50	0·717	22·750
71861	13	4·633	22·249
71862	21	9·198	22·968
71863	17	9·308	22·537
71864	13	10·024	22·795
71865	7	10·525	22·338
71866	10	10·810	22·771
71867	12	11·315	22·006
71868	8	12·300	22·578
71869	20	12·604	22·230
71870	15	13·116	22·331
71871	9	16·395	22·770
71872	18	16·842	22·600
71873	7	17·296	22·770
71874	12	17·882	22·460
71875	21	18·590	22·800
71876	30	19·347	22·062
71877	20	19·564	22 557
71878	8	21·554	22·806
71879	30	22·963	22·305
71880	22	1·595	23·120
71881	15	3·155	23·145
71882	9	8·943	23·911
71883	23	10·785	23·503
71884	12	10·815	23·919
71885	16	11·583	23·699
71886	10	13·500	23·605
71887	9	13·659	23·556
71888	26	14·029	23·752
71889	9	14·628	23·320
71890	20	14·910	23·175
71891	13	15·406	23·800
71892	13	16·040	23·570
71893	10	16·316	23·865
71894	13	17·430	23·646
71895	8	18·187	23·288
71896	7	18·981	23·610
71897	21	19·055	23·801
71898	11	20·468	23·880
71899	11	20·900	23·152
71900	11	21·435	23·849
71901	13	21·859	23·058
71902*	63	24·576	23·844
71903*	42	24·765	23·887
71904	10	24·994	23·006
71905	33	25·252	23·513
71906	32	0·548	24·408
71907	21	1·110	24·264
71908	15	2·057	24·403
71909	16	4·880	24·091
71910	21	6·658	24·304
71911	26	6·850	24·887
71912	12	7·930	24·747
71913*	35	8·610	24·181
71914	30	9·424	24·885
71915	14	9·529	24·839
71916	13	12·076	24·730
71917	20	12·326	24·083
71918	10	14·206	24·916
71919	14	15·550	24·427
71920	23	16·825	24·003
71921	10	17·110	24·938
71922	10	17·316	24·491
71923	10	19·743	24·935
71924	13	19·908	24·011
71925	10	20·232	24·699
71926	11	20·555	24·141
71927*	26	21·853	24 070
71928	10	22·723	24·231
71929*	39	23·315	24·061
71930*	64	2·505	25·569
71931	12	6·269	25·498
71932	20	7·407	25·102
71933	15	8·460	25·839
71934	22	9·094	25·990
71935	8	12·738	25·949
71936	14	13·223	25·671
71937	7	14·334	25·438
71938	19	15·847	25·522
71939	12	16·316	25·485
71940	9	16·581	25·358
71941	12	16·704	25·513
71942	14	20·388	25·720
71943	20	21·236	25·429
71944	15	21·693	25·915
71945	11	23·200	25·743

R. A. 23^h 10^m

Plate 2027 ; 1902 Sept. 8.

Provisional Constants.

A	B	C
−·00040	+·00318	−·1612
D	**E**	**F**
−·00297	−·00072	−·3599

$Mag. = 16{\cdot}6 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
72001*	51	3·313	0·684
72002*	33	3·889	0·028
72003	20	5·971	0·563
72004	10	16·099	0·583
72005	11	17·286	0·711
72006	22	20·127	0·853
72007	11	22·651	0·251
72008	18	23·371	0·611
72009	20	23·720	0·273
72010	12	24·468	0·215
72011	15	25·062	0·501
72012	32	0·858	1·251
72013	13	4·718	1·822
72014	11	12·830	1·493
72015	13	18·443	1·600
72016	10	19·763	1·801
72017	11	20·670	1·083
72018	17	22·239	1·873
72019	12	22·981	1·839
72020	10	2·749	2·993
72021	22	3·020	2·680
72022*	23	6·531	2·570
72023	15	7·787	2·677
72024	10	8·829	2·614
72025	12	9·257	2·704
72026*	21	11·950	2·430
72027	10	14·635	2·936
72028*	42	16·465	2·057
72029	15	18·567	2·073
72030	13	23·319	2·732
72031	10	23·729	2·833
72032	10	23·946	2·840
72033	11	25·293	2·946
72034	10	25·745	2·907
72035	10	6·246	3·633
72036	12	8·658	3·830
72037	20	8·675	3·748
72038	13	9·593	3·699
72039	12	13·535	3·936
72040	22	14·331	3·199
72041	12	14·495	3·076
72042	10	15·716	3·065
72043	10	16·448	3·453
72044*	34	16·750	3·019
72045	15	16·974	3·365
72046	14	18·354	3·517
72047*	26	19·507	3·386
72048	13	19·849	3·192
72049*	22	20·481	3·799
72050	11	25·378	3·642
72051	18	1·909	4·277
72052	24	1·918	4·880
72053	11	5·303	4·602
72054	13	7·661	4·087
72055	11	8·195	4·956
72056	22	12·621	4·179
72057	13	14·851	4·528
72058	12	18·988	4·818
72059	10	22·428	4·167
72060	10	22·983	4·562
72061	10	24·163	4·046
72062	12	24·571	4·187
72063	21	24·961	4·903
72064	10	3·901	5·936
72065	17	4·543	5·328
72066	11	4·691	5·202
72067*	14	7·991	5·487
72068	10	9·756	5·812
72069	13	10·787	5·177
72070	12	10·889	5·111
72071	20	18·165	5·397
72072	13	19·228	5·593
72073	10	24·306	5·587
72074	17	25·415	5·446
72075	32	0·637	6·934
72076	19	0·674	6·114
72077	13	2·421	6·026
72078	11	2·759	6·869
72079	11	4·511	6·051
72080	10	5·071	6·941
72081	12	6·061	6·154
72082	17	6·831	6·452
72083	10	7·123	6·772
72084*	39	13·457	6·580
72085	12	14·010	6·242
72086	22	14·450	6·462
72087	12	15·770	6·951
72088*	51	20·179	6·405
72089	10	22·712	6·880
72090	10	2·320	7·638
72091*	42	2·917	7·967
72092	10	3·031	7·551
72093	12	3·571	7·482
72094	10	8·008	7·722
72095	10	9·916	7·629
72096	16	12·683	7·457
72097	13	17·806	7·668
72098	11	17·860	7·796
72099	11	23·291	7·624
72100	10	23·707	7·164
72101	11	24·488	7·531
72102	11	24·675	7·849
72103	20	0·889	8·406
72104	30	1·020	8·885
72105	11	1·339	8·574
72106*	32	1·883	8·259
72107	23	3·478	8·725
72108	10	5·417	8·852
72109	11	8·931	8·496
72110	12	9·650	8·460
72111	10	10·243	8·699
72112	14	12·903	8·947
72113	11	12·921	8·132
72114	11	18·345	8·950
72115*	22	20·886	8·992
72116	15	24·562	8·604
72117	10	2·400	9·443
72118	10	2·648	9·952
72119	12	5·070	9·205
72120	22	8·388	9·274
72121	12	8·750	9·280
72122	10	10·149	9·757
72123	11	10·744	9·897
72124*	36	11·032	9·931
72125	12	12·432	9·349
72126	13	15·880	9·416
72127	12	15·998	9·348
72128	10	21·051	9·876
72129	12	21·520	9·853
72130	10	25·200	9·468
72131	11	25·502	9·749
72132	12	6·678	10·918
72133	12	8·335	10·047
72134	20	9·377	10·003
72135	13	10·155	10·885
72136	20	10·587	10·774
72137	13	16·311	10·352
72138	20	17·190	10·166
72139	10	17·361	10·584
72140*	32	17·621	10·100
72141	22	18·566	10·280
72142	19	0·639	11·356
72143	22	1·528	11·202
72144	22	1·740	11·906
72145	13	2·621	11·352
72146	12	3·868	11·972
72147	10	4·051	11·912
72148	12	4·176	11·983
72149	12	10·190	11·612
72150	12	11·828	11·466
72151	17	14·532	11·036
72152	14	16·425	11·889
72153	14	16 825	11·822
72154	11	16·844	11·287
72155	23	2·237	12·198
72156	11	3·958	12·555
72157	18	4·009	12·615
72158	11	4·068	12·801
72159	17	5·885	12·826
72160	12	6·219	12·538
72161	10	6·228	12·522
72162	12	6·960	12·271
72163	11	9·809	12·461
72164	13	14·020	12·779
72165	11	16·771	12·371
72166	12	17·885	12·120
72167	11	20·868	12·445
72168	13	25·356	12·188
72169	12	25·454	12·883
72170	13	2·898	13·342
72171	10	3·135	13·855
72172	10	3·718	13·589
72173	22	4·170	13·415
72174	10	4·263	13·315
72175	10	5·530	13·333
72176	10	5·541	13·300
72177	19	7·860	13·812
72178	10	12·494	13·888
72179	14	15·810	13·310
72180	22	18·936	13·809
72181	11	24·383	13·711
72182	11	25·033	13·999
72183	22	0·608	14·230
72184	12	1·985	14·747
72185	12	9·270	14·551
72186*	52	15·005	14·136
72187	13	18·705	14·795
72188*	33	18·935	14·720
72189	12	20·781	14·748
72190	10	21·635	14·443
72191	12	23·689	14·086
72192	12	24·290	14·106
72193	32	0·558	15·898
72194	21	2·003	15·607
72195	14	3·538	15·426
72196*	22	5·915	15·388
72197	10	6·145	15·903
72198*	31	11·740	15·389
72199	19	11·760	15·337
72200	13	13·905	15·500
72201	10	19·231	15·568
72202	11	19·555	15·732
72203	10	19·591	15·090
72204	12	20·195	15·790
72205	11	24·792	15·801
72206	10	24·926	15·843
72207	14	2·453	16·620
72208	10	5·449	16·261
72209	10	6·408	16·605
72210	12	8·528	16·981
72211	10	9·889	16·650
72212	14	15·400	16·968
72213	15	17·227	16·093
72214	12	18·681	16·072
72215	12	19·451	16·178
72216	21	20·310	16·832
72217	25	21·153	16·871
72218	12	24·777	16·129
72219	14	25·690	16·830
72220	20	2·250	17·280
72221	11	2·551	17·098
72222	10	6·245	17·828
72223	20	10·515	17·715
72224	22	11·772	17·523
72225	10	12·120	17·732
72226	12	12·711	17·994
72227	10	13·135	17·457
72228	10	13·929	17·791
72229	11	14·361	17·565
72230	10	15·013	17·217
72231	12	18·411	17·488
72232	10	19·411	17·547
72233	10	19·507	17·565
72234	9	21·126	17·700
72235	10	23·982	17·694
72236	11	24·215	17·336
72237	10	24·913	17·673
72238	19	0·454	18·840
72239	23	0·870	18·971
72240	12	2·195	18·406
72241	11	2·391	18·997
72242	13	3·039	18·791
72243	19	3·362	18·695
72244	12	7·865	18·619
72245	10	11·821	18·458
72246	10	14·737	18·497
72247	11	17·222	18·043
72248	11	17·902	18·794
72249	10	18·831	18·420
72250	15	19·642	18·000

72251	10	1·984	19·405
72252	13	3·256	19·159
72253	11	4·575	19·392
72254*	32	4·758	19·165
72255	10	5·499	19·417
72256	11	6·118	19·977
72257	10	9·106	19·882
72258	13	15·940	19·156
72259	23	16·000	19·763
72260	12	18·256	19·383
72261	12	18·843	19·588
72262	22	20·447	19·701
72263	12	23·759	19·581
72264	21	24·282	19·672
72265	22	24·825	19·671
72266	32	0·409	20·364
72267	22	1·480	20·520
72268	18	3·275	20·767
72269	11	3·877	20·641
72270	13	4·141	20·411
72271	10	4·792	20·213
72272	15	6·250	20·318
72273	10	7·580	20·782
72274	11	9·990	20·802
72275	10	12·616	20·572
72276	12	13·121	20·502
72277	10	16·020	20·902
72278	10	18·895	20·577
72279	10	19·437	20·337
72280	10	21·870	20·025
72281	10	23·781	20·270
72282	21	24·083	20·127
72283	10	24·430	20·035
72284	15	25·946	20·903
72285*	16	5·045	21·147
72286	20	5·570	21·273
72287	10	6·594	21·161
72288	12	7·408	21·228
72289	10	8·284	21·512
72290	18	8·441	21·896
72291	20	8·632	21·155
72292	10	9·681	21·794
72293	12	9·738	21·782
72294	10	10·751	21·485
72295	10	12·514	21·030
72296	23	12·946	21·880
72297	11	14·785	21·568
72298	11	15·196	21·810
72299	10	17·820	21·418
72300	13	18·653	21·006
72301	10	19·290	21·921
72302	10	19·457	21·032
72303	13	22·496	21·662
72304	13	22·601	21·874
72305	12	23·839	21·586
72306	12	25·264	21·575
72307	15	3·999	22·206
72308	10	6·120	22·008
72309	20	6·341	22·929
72310	12	6·568	22·738
72311	19	8·668	22·315
72312	11	12·289	22·388
72313	11	14·472	22·834
72314	11	14·691	22·553
72315	10	14·849	22·845
72316	11	16·415	22·522
72317	21	21·135	22·721
72318	10	21·337	22·524
72319	12	23·665	22·734
72320	15	25·298	22·095
72321	13	1·804	23·178
72322	34	2·071	23·678
72323	14	3·095	23·397
72324	18	4·231	23·474

72325*	34	5·801	23·293
72326	25	7·259	23·310
72327	12	9·030	23·286
72328	22	9·847	23·039
72329	22	12·305	23·745
72330	13	13·221	23·701
72331	10	14·605	23·436
72332	12	17·585	23·765
72333	10	18·141	23·721
72334	10	18·300	23·400
72335	10	20·160	23·168
72336	10	21·315	23·722
72337	23	22·578	23·065
72338	10	23·459	23·443
72339*	37	0·140	24·257
72340*	58	1·401	24·017
72341*	38	1·588	24·058
72342	14	4·840	24·468
72343*	34	11·582	24·200
72344	11	15·478	24·413
72345	14	15·950	24·608
72346	10	18·224	24·273
72347	12	18·611	24·434
72348	12	20·858	24·649
72349	20	21·001	24·797
72350	22	22·532	24·714
72351	12	4·570	25·853
72352	10	7·720	25·668
72353	20	8·161	25·516
72354	11	13·371	25·085
72355	10	13·658	25·068
72356	12	14·935	25·140
72357	11	14·988	25·143
72358	22	17·435	25·732
72359	12	18·301	25·712
72360	10	20·516	25·256

R. A. 23h 19m

Plate 2028 ; 1902 Sept. 8.

Provisional Constants.

A	B	C
−·00052	+·00481	−·3088
D	**E**	**F**
−·00446	−·00056	−·4026

Mag. = 16·6 − 1·36√*d*

No.	*d*	*x*	*y*
72401	33	0·187	0·315
72402	12	1·539	0·510
72403	25	5·684	0·456
72404	13	10·073	0·597
72405	10	13·155	0·357
72406	12	15·046	0·374
72407	9	15·565	0·033
72408	20	16·569	0·636
72409	7	19·968	0·961
72410	11	21·373	0·743
72411	10	3·146	1·374
72412	19	3·699	1·523
72413	21	8·431	1·473
72414	6	8·623	1·911
72415	10	9·611	1·837
72416	6	9·790	1·599
72417	7	10·484	1·876

72418	12	10·668	1·894
72419*	40	11·806	1·965
72420	21	17·983	1·474
72421	10	18·169	1·708
72422	16	19·282	1·115
72423	14	24·835	1·261
72424	10	1·824	2·955
72425	20	3·531	2·613
72426	17	8·547	2·935
72427*	34	11·187	2·335
72428*	40	13·708	2·965
72429*	55	14·267	2·479
72430	8	15·629	2·451
72431	7	23·540	2·380
72432	16	23·641	2·707
72433	10	24·381	2·797
72434	11	25·673	2·094
72435	8	5·566	3·347
72436	5	8·277	3·566
72437	9	10·303	3·848
72438	10	13·928	3·367
72439*	30	14·515	3·976
72440	13	17·954	3·637
72441*	12	21·017	3·316
72442	10	1·126	4·213
72443	30	1·533	4·916
72444	10	3·151	4·699
72445	8	3·575	4·044
72446	7	10·950	4·617
72447*	14	11·066	4·264
72448	18	14·352	4·552
72449*	31	15·269	4·543
72450	6	17·742	4·388
72451	14	18·970	4·278
72452	13	19·215	4·845
72453	10	21·693	4·795
72454*	28	23·535	4·898
72455	10	23·677	4·153
72456	10	24·278	4·181
72457	9	24·344	4·025
72458	6	0·893	5·616
72459	13	1·995	5·450
72460	19	3·475	5·826
72461	10	7·449	5·006
72462	9	8·210	5·335
72463	10	9·236	5·335
72464	11	11·505	5·724
72465	10	12·883	5·820
72466*	30	17·577	5·495
72467	10	17·917	5·701
72468	20	3·490	6·324
72469	10	5·816	6·029
72470	19	16·813	6·571
72471	9	24·821	6·686
72472	10	1·113	7·557
72473	10	1·313	7·871
72474	9	4·071	7·498
72475	7	10·497	7·846
72476	9	11·917	7·821
72477	10	12·554	7·550
72478	10	24·379	7·146
72479	23	1·213	8·628
72480*	29	5·221	8·162
72481	10	8·521	8·685
72482	28	10·987	8·877
72483	8	14·169	8·467
72484	13	16·046	8·058
72485	9	16·346	8·171
72486	11	24·630	8·052
72487	10	24·814	8·093
72488	10	25·284	8·827
72489	6	1·874	9·477
72490	10	2·178	9·754
72491	20	4·125	9·946

72492	8	5·767	9·383
72493	10	8·812	9·016
72494	7	10·237	9·556
72495	15	10·623	9·705
72496	6	17·973	9·378
72497	7	19·639	9·645
72498	6	21·174	9·166
72499	17	21·753	9·481
72500*	30	22·537	9·935
72501	7	2·790	10·767
72502	25	11·484	10·623
72503	10	14·989	10·380
72504	11	16·633	10·987
72505	9	21·314	10·493
72506	8	22·709	10·966
72507	8	23·099	10·941
72508	10	23·709	10·907
72509	10	25·449	10·653
72510	15	25·674	10·872
72511	13	5·528	11·725
72512	10	7·803	11·650
72513	16	14·991	11·504
72514	11	15·394	11·014
72515	23	18·667	11·489
72516	27	24·653	11·483
72517	10	25·642	11·677
72518	9	25·655	11·982
72519	15	2·085	12·195
72520	10	2·202	12·885
72521	8	9·230	12·210
72522	11	9·612	12·949
72523	15	14·928	12·110
72524	7	17·743	12·456
72525	8	20·185	12·922
72526	12	21·169	12·139
72527	10	25·082	12·301
72528	10	25·564	12·313
72529	8	25·677	12·451
72530	10	1·146	13·734
72531	11	3·047	13·344
72532	10	5·291	13·728
72533	11	12·119	13·746
72534	10	16·629	13·460
72535	11	24·472	13·950
72536	15	24·492	13·792
72537	10	25·213	13·447
72538	11	0·457	14·127
72539	13	1·061	14·136
72540	11	1·799	14·012
72541	8	8·187	14·442
72542	10	9·044	14·142
72543	24	11·639	14·122
72544	16	11·852	14·316
72545	17	15·713	14·347
72546	14	16·249	14·586
72547	18	17·743	14·347
72548*	47	19·437	14·889
72549	16	21·822	14·594
72550	10	23·260	14·033
72551	14	25·244	14·738
72552	5	25·803	14·324
72553	12	1·598	15·817
72554	10	1·733	15·856
72555	19	3·653	15·926
72556	6	4·701	15·651
72557	10	5·784	15·147
72558	19	6·299	15·689
72559*	73	7·717	15·739
72560	10	18·514	15·211
72561	18	21·270	15·555
72562*	41	25·333	15·492
72563	13	1·592	16·147
72564	19	2·523	16·827
72565	12	5·759	16·513

72566	10	9·507	16·327
72567	10	10·144	16·975
72568	10	10·675	16·769
72569	8	12·594	16·837
72570	10	14·217	16·314
72571*	26	23·674	16·065
72572	10	24·149	16·553
72573	10	24·764	16·947
72574	8	25·679	16·387
72575	9	1·055	17·369
72576	8	5·710	17·641
72577	8	6·118	17·978
72578	9	14·110	17·153
72579	9	14·718	17·968
72580	16	3·391	18·513
72581	10	4·430	18·210
72582	8	5·597	18·974
72583	10	6·052	18·195
72584	7	6·354	18·143
72585	10	6·842	18·824
72586	6	7·773	18·732
72587	18	8·357	18·275
72588	9	9·789	18·788
72589	10	11·230	18·528
72590*	28	17·725	18·265
72591	10	19·187	18·976
72592	11	19·586	18·863
72593	14	0·648	19·617
72594	23	1·175	19·701
72595	27	1·714	19·687
72596	20	3·491	19·666
72597	10	3·957	19·695
72598	12	5·809	19·550
72599	9	10·658	19·200
72600	8	14·301	19·194
72601*	31	15·178	19·325
72602	8	15·294	19·500
72603	10	15·843	19·386
72604	10	18·844	19·966
72605	11	23·064	19·499
72606	22	24·906	19·776
72607	25	0·985	20·163
72608	15	2·865	20·892
72609	10	5·796	20·637
72610	12	7·864	20·546
72611	10	9·113	20·295
72612	10	9·599	20·300
72613	8	12·721	20·921
72614	14	15·066	20·979
72615	8	15·840	20·733
72616	20	16·007	20·230
72617	9	18·157	20·724
72618	11	22·957	20·564
72619	9	0·772	21·624
72620	10	2·195	21·583
72621	10	3·804	21·006
72622	15	5·586	21·433
72623	20	10·730	21·804
72624	20	14·833	21·858
72625	11	20·444	21·608
72626	10	21·938	21·943
72627*	36	23·933	21·185
72628	8	24·763	21·565
72629	9	0·624	22·775
72630	10	2·239	22·101
72631	21	3·905	22·872
72632	12	3·970	22·843
72633	6	4·763	22·525
72634	8	6·490	22·634
72635*	75	15·213	22·545
72636	10	15·462	22·345
72637	10	20·307	22·463
72638	8	20·813	22·068
72639	15	3·696	23·037

No.	d	x	y
72640	32	4·205	23·826
72641	13	4·299	23·903
72642	20	5·036	23·597
72643	20	8·183	23·635
72644	10	10·836	23·196
72645	18	11·489	23·743
72646	10	12·640	23·084
72647*	29	16·414	23·555
72648	10	22·321	23·942
72649	18	6·419	24·744
72650	8	9·647	24·683
72651	7	10·877	24·345
72652	12	10·878	24·376
72653*	51	12·483	24·306
72654	10	12·876	24·914
72655	10	13·126	24·585
72656	7	16·553	24·053
72657*	41	20·708	24·165
72658	24	21·687	24·129
72659*	28	21·723	24·864
72660	9	23·428	24·676
72661	13	23·437	24·285
72662	12	6·476	25·157
72663	9	10·619	25·643
72664	10	12·128	25·386
72665	10	12·793	25·263
72666	13	16·759	25·111
72667	8	17·377	25·746

R. A. 23h 28m

Plate 2029; 1902 Sept. 8.

Provisional Constants.

A	B	C
−·00045	+·00149	−·1323
D	**E**	**F**
−·00154	−·00068	−·6778

Mag. = $16{\cdot}0 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
72701	14	12·993	0·948
72702	10	14·087	0·661
72703	7	19·358	0·365
72704	15	21·594	0·398
72705	11	1·643	1·084
72706	21	12·916	1·540
72707	18	14·750	1·974
72708	20	15·443	1·261
72709	8	17·473	1·534
72710*	41	23·522	1·802
72711	13	23·721	1·141
72712	14	0·473	2·549
72713	11	1·215	2·630
72714	13	3·798	2·100
72715*	22	4·282	2·162
72716	11	11·649	2·962
72717	8	12·951	2·256
72718	9	14·285	2·396
72719	6	14·521	2·569
72720*	20	17·550	2·383
72721	12	18·505	2·316
72722	19	22·812	2·823
72723	11	25·008	2·330
72724	9	4·233	3·715
72725	7	4·649	3·309
72726	22	6·344	3·644
72727*	41	6·370	3·700
72728*	22	8·646	3·742
72729	7	12·563	3·869
72730	14	15·758	3·927
72731	8	18·403	3·273
72732*	23	0·404	4·744
72733	8	1·134	4·009
72734	17	5·248	4·156
72735	11	12·972	4·219
72736*	22	13·475	4·061
72737	10	23·419	4·775
72738	13	23·446	4·205
72739	9	23·846	4·226
72740	11	4·804	5·426
72741	8	6·024	5·777
72742	14	6·540	5·346
72743	8	7·867	5·101
72744	12	11·871	5·116
72745*	36	14·693	5·858
72746	8	15·546	5·260
72747*	47	19·196	5·792
72748	11	1·722	6·507
72749	12	3·725	6·570
72750	17	4·802	6·391
72751	7	8·059	6·042
72752	18	10·093	6·699
72753	19	10·885	6·594
72754	8	13·092	6·298
72755	21	16·387	6·921
72756	9	19·566	6·032
72757	9	19·651	6·740
72758	13	20·075	6·803
72759	8	21·273	6·374
72760	8	24·778	6·633
72761	8	24·917	6·361
72762	16	25·430	6·716
72763	12	1·552	7·877
72764	11	1·739	7·916
72765	7	4·556	7·274
72766	20	5·167	7·102
72767	9	5·750	7·916
72768	10	5·814	7·148
72769	12	7·066	7·619
72770	14	12·883	7·335
72771	11	17·175	7·946
72772	20	19·050	7·530
72773*	31	19·288	7·697
72774	7	19·878	7·280
72775	22	23·686	7·199
72776	8	23·916	7·606
72777	12	2·222	8·643
72778	12	3·091	8·661
72779	14	3·197	8·001
72780	17	5·706	8·780
72781	11	7·890	8·469
72782*	24	10·173	8·399
72783	12	20·643	8·786
72784	17	20·767	8·062
72785	14	20·892	8·870
72786	10	22·505	8·560
72787	12	24·091	8·052
72788	8	7·173	9·089
72789	12	11·680	9·360
72790	12	11·721	9·436
72791	18	12·896	9·234
72792*	23	14·319	9·220
72793*	71	15·431	9·570
72794	19	18·296	9·763
72795	8	22·529	9·567
72796	12	2·419	10·465
72797	17	2·647	10·679
72798	10	3·199	10·862
72799	18	5·528	10·683
72800*	36	5·851	10·250
72801	10	6·023	10·867
72802	12	11·286	10·617
72803	24	13·921	10·708
72804	15	14·055	10·899
72805	7	16·872	10·706
72806	7	19·509	10·141
72807	10	22·017	10·761
72808	12	22·131	10·027
72809	20	22·573	10·821
72810	22	1·634	11·310
72811	9	2·627	11·486
72812	8	3·315	11·398
72813	10	4·185	11·142
72814	12	4·449	11·286
72815	17	8·686	11·610
72816	19	8·898	11·868
72817	8	8·920	11·891
72818	15	9·363	11·615
72819	12	10·747	11·363
72820*	40	11·820	11·021
72821	13	11·974	11·838
72822	14	13·637	11·776
72823	8	21·850	11·605
72824	10	2·079	12·118
72825	11	2·561	12·120
72826	6	2·676	12·255
72827	16	3·017	12·422
72828	7	6·036	12·212
72829	8	12·069	12·479
72830	11	12·410	12·030
72831	12	17·105	12·721
72832	7	19·604	12·039
72833	11	20·621	12·585
72834	14	20·912	12·773
72835	16	21·136	12·118
72836	8	21·593	12·353
72837	17	22·169	12·529
72838	10	22·343	12·435
72839	20	23·212	12·176
72840	11	23·546	12·554
72841	9	24·056	12·922
72842	9	24·126	12·077
72843	12	25·409	12·489
72844	11	0·285	13·880
72845	13	1·496	13·774
72846	17	1·514	13·619
72847	12	2·231	13·259
72848	9	4·071	13·116
72849	12	10·959	13·203
72850	19	18·582	13·729
72851	14	20·887	13·451
72852	11	21·664	13·082
72853	11	24·708	13·271
72854	14	2·282	14·551
72855*	34	3·267	14·194
72856*	33	4·766	14·199
72857*	27	5·885	14·221
72858	7	8·170	14·821
72859	19	8·226	14·782
72860	13	8·400	14·476
72861	16	13·463	14·320
72862	18	13·789	14·872
72863*	19	25·292	14·291
72864*	22	0·736	15·907
72865*	38	2·382	15·301
72866	9	8·866	15·582
72867	10	9·991	15·875
72868	9	10·730	15·305
72869	20	12·029	15·446
72870	17	13·593	15·198
72871	19	15·753	15·509
72872*	48	18·079	15·690
72873	14	24·058	15·373
72874	10	25·069	15·379
72875	9	1·216	16·384
72876	11	1·842	16·769
72877	9	2·748	16·193
72878	12	6·643	16·021
72879	16	7·767	16·015
72880	17	15·392	16·577
72881	8	15·950	16·324
72882	14	20·100	16·106
72883	7	20·940	16·735
72884	15	6·196	17·497
72885	7	7·844	17·727
72886	22	10·411	17·941
72887	7	13·900	17·899
72888	13	15·806	17·590
72889	12	20·879	17·300
72890	7	22·616	17·452
72891	13	23·937	17·820
72892	17	4·580	18·621
72893	11	5·549	18·193
72894	9	5·907	18·629
72895	13	7·013	18·981
72896	9	9·077	18·733
72897	10	10·176	18·698
72898*	22	11·617	18·181
72899	10	11·906	18·495
72900	10	14·006	18·519
72901	12	19·150	18·412
72902	11	19·320	18·144
72903	13	20·232	18·055
72904	14	23·928	18·597
72905	8	24·920	18·230
72906	14	0·185	19·350
72907	21	2·029	19·597
72908	14	3·309	19·269
72909	12	4·107	19·577
72910	6	8·833	19·473
72911	12	8·893	19·701
72912	10	9·341	19·671
72913	12	9·641	19·845
72914	12	11·144	19·116
72915	12	12·330	19·649
72916	14	15·038	19·059
72917	22	19·282	19·091
72918*	23	20·012	19·676
72919	11	21·829	19·460
72920	8	22·206	19·245
72921	20	23·666	19·441
72922	14	0·096	20·415
72923	9	4·554	20·263
72924*	23	4·596	20·256
72925	12	5·201	20·182
72926	12	6·390	20·285
72927	7	7·757	20·608
72928	16	9·244	20·858
72929	11	10·389	20·106
72930	13	12·767	20·560
72931	8	12·874	20·159
72932	22	13·052	20·724
72933	14	13·442	20·232
72934	22	13·966	20·644
72935	10	14·099	20·077
72936*	45	19·419	20·038
72937	10	22·336	20·263
72938	11	24·530	20·710
72939*	26	1·079	21·022
72940	10	6·456	21·194
72941	13	10·447	21·992
72942	11	11·543	21·059
72943	17	13·594	21·137
72944*	18	15·086	21·828
72945	13	18·371	21·465
72946	12	22·502	21·886
72947	8	22·846	21·135
72948	14	25·705	21·049
72949	19	3·511	22·584
72950	11	4·378	22·757
72951	9	4·683	22·282
72952	8	8·384	22·279
72953	12	9·515	22·705
72954	8	11·013	22·715
72955	12	11·463	22·324
72956	10	13·855	22·984
72957	14	14·644	22·484
72958	16	15·461	22·766
72959	17	16·181	22·976
72960	16	17·216	22·736
72961*	22	21·141	22·938
72962	13	13·675	23·479
72963	10	16·052	23·260
72964*	27	24·916	23·392
72965	19	25·409	23·527
72966	12	0·642	24·129
72967	11	3·294	24·366
72968	18	4·885	24·714
72969	12	10·254	24·652
72970	12	10·789	24·865
72971	14	11·029	24·587
72972	8	17·916	24·520
72973	20	18·316	24·896
72974	10	19·199	24·870
72975	13	19·568	24·754
72976	16	19·689	24·682
72977	10	23·769	24·362
72978	12	25·001	24·828
72979	33	3·546	25·721
72980	12	5·833	25·429
72981	12	6·550	25·080
72982	12	9·880	25·805
72983	13	10·362	25·528
72984	24	12·055	25·916
72985	12	16·602	25·430
72986	11	16·942	25·736
72987	10	17·776	25·917
72988	12	20·898	25·370
72989	15	21·918	25·328
72990	9	23·054	25·510

R. A. 23h 37m

Plate 2030; 1902 Sept. 8.

Provisional Constants.

A	B	C
−·00058	+·00078	−·0862
D	**E**	**F**
−·00056	−·00059	−·7132

Mag. = $16{\cdot}3 - 1{\cdot}36\sqrt{d}$

No.	d	x	y
73001	7	3·542	0·397
73002	18	6·372	0·897
73003	12	16·354	0·285
73004	10	16·465	0·293
73005*	24	16·908	0·828
73006	13	24·171	0·055

73007	8	24·377	0·406
73008	12	25·986	0·354
73009*	70	0·226	1·826
73010	10	0·409	1·157
73011	16	5·417	1·064
73012*	21	7·443	1·815
73013	8	14·729	1·833
73014	6	17·051	1·737
73015*	21	17·733	1·876
73016	8	22·901	1·423
73017*	25	22·924	1·414
73018	7	25·554	1·282
73019	10	4·485	2·289
73020	9	5·137	2·193
73021	8	10·586	2·765
73022*	33	17·463	2·373
73023	10	18·383	2·386
73024	10	19·387	2·775
73025	12	23·791	2·672
73026	10	24·745	2·015
73027	7	25·451	2·897
73028	8	25·757	2·227
73029	8	3·117	3·703
73030	19	4·265	3·593
73031	10	13·467	3·586
73032	7	19·802	3·379
73033	8	25·156	3·076
73034	7	0·175	4·801
73035	8	0·195	4·227
73036	12	3·502	4·606
73037*	29	5·569	4·093
73038	10	6·994	4·467
73039	7	18·431	4·771
73040*	19	21·243	4·143
73041	10	21·318	4·543
73042	12	21·328	4·885
73043	9	21·894	4·545
73044	9	22·884	4·004
73045	7	6·685	5·634
73046	10	12·981	5·974
73047*	37	14·030	5·317
73048	12	15·666	5·684
73049	10	17·132	5·214
73050	9	21·629	5·015
73051	8	22·633	5·217
73052	17	23·771	5·499
73053	13	2·225	6·703
73054	10	4·559	6·547
73055	10	8·287	6·267
73056	10	8·518	6·137
73057	10	10·957	6·137
73058	12	12·814	6·375
73059	23	15·792	6·053
73060	8	17·436	6·134
73061	7	21·236	6·682
73062	10	24·755	6·183
73063	13	25·417	6·948
73064	25	0·492	7·217
73065	10	6·737	7·678
73066*	30	7·179	7·016
73067	20	9·575	7·283
73068	9	9·990	7·341
73069	10	10·172	7·886
73070	12	12·762	7·178
73071	10	12·771	7·159
73072	9	13·586	7·755
73073	8	13·690	7·840
73074	9	16·814	7·965
73075	9	24·871	7·537
73076*	27	25·634	7·835
73077	10	0·913	8·064
73078	17	13·664	8·014
73079	18	16·842	8·775
73080	9	17·686	8·934

73081	10	5·520	9·265
73082	11	5·783	9·333
73083	10	5·918	9·885
73084	10	15·535	9·265
73085	16	22·025	9·854
73086	9	22·537	9·134
73087	8	22·832	9·193
73088	10	6·789	10·922
73089	9	7·934	10·721
73090	9	18·196	10·065
73091	8	18·525	10·058
73092	6	20·184	10·902
73093	8	22·978	10·347
73094	16	6·764	11·559
73095	18	6·791	11·849
73096	7	7·777	11·676
73097	8	8·525	11·907
73098*	34	11·589	11·234
73099	10	15·728	11·606
73100	19	17·366	11·679
73101	15	18·509	11·464
73102*	22	21·043	11·908
73103	15	23·146	11·054
73104	10	24·527	11·993
73105	16	25·803	11·345
73106	30	0·113	12·204
73107	10	0·456	12·575
73108	11	2·315	12·474
73109	20	12·778	12·416
73110	11	13·237	12·882
73111	10	19·427	12·529
73112	10	1·634	13·269
73113	7	2·406	13·629
73114	13	4·526	13·574
73115	10	5·698	13·517
73116	8	6·769	13·888
73117	10	7·043	13·728
73118	8	17·864	13·075
73119	10	19·579	13·704
73120	12	20·765	13·089
73121*	19	21·044	13·905
73122	17	23·787	13·424
73123*	20	2·235	14·276
73124	7	3·967	14·973
73125	7	5·127	14·394
73126	19	5·431	14·767
73127	14	5·765	14·479
73128	14	6·295	14·243
73129	20	7·064	14·663
73130	12	11·616	14·648
73131	7	11·887	14·623
73132	8	13·023	14·330
73133*	31	21·746	14·457
73134	20	25·194	14·843
73135	10	25·631	14·583
73136	16	1·022	15·384
73137	8	2·035	15·370
73138	16	3·676	15·133
73139	9	4·586	15·847
73140	10	6·817	15·684
73141	8	8·030	15·485
73142	9	12·106	15·007
73143	12	12·126	15·011
73144	8	15·291	15·968
73145	10	25·367	15·018
73146	10	25·646	15·547
73147	7	3·430	16·266
73148	10	8·579	16·787
73149	11	16·100	16·708
73150	10	16·477	16·156
73151	15	22·049	16·606
73152	8	24·425	16·038
73153	12	0·948	17·835
73154	10	3·023	17·948

73155	10	7·833	17·287
73156	12	8·139	17·833
73157	7	15·866	17·409
73158	8	16·555	17·956
73159	6	18·951	17·975
73160	10	24·153	17·394
73161	14	0·956	18·609
73162	8	3·755	18·653
73163	19	5·682	18·785
73164	10	6·289	18·772
73165	10	15·095	18·430
73166	9	18·590	18·698
73167	36	0·710	19·457
73168	9	3·615	19·624
73169	10	7·037	19·166
73170	10	8·994	19·627
73171	18	11·867	19·652
73172	11	14·827	19·228
73173	21	15·173	19·485
73174	17	15·488	19·094
73175	8	16·334	19·482
73176	8	18·181	19·033
73177	21	18·469	19·351
73178	10	18·693	19·766
73179*	30	21·487	19·932
73180*	21	22·933	19·464
73181	9	24·924	19·244
73182	7	25·440	19·594
73183	6	25·817	19·313
73184	7	3·401	20·277
73185	9	4·739	20·974
73186	7	6·573	20·823
73187	10	8·782	20·156
73188	11	9·738	20·723
73189	13	18·607	20·963
73190	10	20·434	20·019
73191	9	22·337	20·147
73192	10	25·568	20·668
73193	12	2·780	21·026
73194	10	4·379	21·957
73195	10	6·389	21·614
73196*	26	7·211	21·693
73197	10	11·669	21·724
73198	10	11·822	21·131
73199	9	15·488	21·117
73200	10	17·642	21·878
73201	10	23·553	21·059
73202	7	23·607	21·167
73203	8	24·771	21·986
73204	10	5·635	22·424
73205	6	6·501	22·237
73206	8	6·742	22·737
73207	22	9·403	22·959
73208	11	14·007	22·332
73209	7	14·137	22·162
73210	10	14·181	22·410
73211	19	14·867	22·494
73212	11	15·168	22·138
73213	16	15·769	22·955
73214*	30	16·212	22·067
73215	10	16·736	22·324
73216	10	17·486	22·251
73217*	37	2·037	23·384
73218	19	2·533	23·510
73219*	26	6·903	23·235
73220	10	10·664	23·459
73221*	25	13·513	23·330
73222	20	15·587	23·627
73223	9	15·934	23·633
73224	20	18·653	23·938
73225	7	19·377	23·710
73226	16	19·750	23·231
73227	15	24·003	23·239
73228	19	3·742	24·546

73229*	30	6·482	24·282
73230	6	6·995	24·770
73231	15	7·079	24·883
73232*	44	11·145	24·350
73233	19	12·919	24·454
73234	8	15·035	24·524
73235	10	15·143	24·723
73236	10	17·238	24·860
73237	21	17·542	24·735
73238	7	17·670	24·191
73239	5	17·767	24·765
73240	10	23·151	24·458
73241*	45	3·294	25·207
73242	19	7·416	25·581
73243*	24	9·783	25·087
73244	9	10·762	25·105
73245	11	12·780	25·016
73246	9	16·514	25·189
73247	7	17·531	25·089
73248	11	20·348	25·306
73249	6	20·381	25·443
73250	9	21·392	25·626

R. A. 23h 46m

Plate 2031; 1902 Sept. 8.

Provisional Constants.

A	B	C
−·00050	+·00281	−·1586

D	E	F
−·00247	−·00050	−·4090

Mag. $= 15·5 - 1·36\sqrt{d}$

No.	*d*	*x*	*y*
73301	10	18·896	0·611
73302	11	19·925	0·221
73303	11	23·051	0·684
73304	20	9·686	1·894
73305	17	12·631	1·277
73306*	22	14·684	1·250
73307	10	15·154	1·230
73308	11	15·178	1·861
73309	13	16·151	1·418
73310	10	16·325	1·738
73311	12	17·638	1·813
73312*	20	20·522	1·633
73313*	12	22·775	1·606
73314	13	24·254	1·574
73315	12	24·540	1·959
73316	12	16·955	2·874
73317*	23	17·889	2·511
73318	20	18·249	2·890
73319	9	21·093	2·056
73320	12	22·045	2·146
73321	14	24·111	2·276
73322	13	11·761	3·150
73323	11	12·731	3·654
73324	11	14·231	3·540
73325	13	14·597	3·274
73326	20	14·825	3·511
73327	20	19·946	3·571
73328	14	20·029	3·387
73329*	33	20·144	3·136

73330	11	23·989	3·749
73331	12	25·306	3·164
73332	12	8·235	4·504
73333	11	8·372	4·246
73334	16	8·841	4·876
73335*	22	11·056	4·270
73336	11	12·087	4·177
73337	14	12·740	4·762
73338	10	13·657	4·320
73339*	20	14·617	4·528
73340	12	16·740	4·406
73341	10	18·145	4·921
73342	11	22·160	4·434
73343	20	22·339	4·307
73344	16	22·572	4·486
73345	25	0·442	5·833
73346	19	3·912	5·438
73347	13	7·308	5·740
73348	15	8·507	5·186
73349	13	12·651	5·658
73350	10	15·860	5·640
73351	10	20·061	5·683
73352	11	21·106	5·781
73353	12	1·440	6·497
73354*	14	4·529	6·116
73355	16	6·120	6·255
73356	14	8·332	6·671
73357*	25	10·010	6·927
73358	13	13·521	6·701
73359	14	24·581	6·390
73360*	40	25·761	6·872
73361	10	1·586	7·850
73362	19	2·121	7·250
73363	12	2·969	7·779
73364	12	13·846	7·293
73365	12	16·893	7·841
73366	13	18·373	7·891
73367	13	20·413	7·470
73368	13	22·454	7·511
73369	14	23·696	7·476
73370*	28	2·354	8·130
73371	10	2·993	8·472
73372	11	8·422	8·655
73373*	20	20·383	8·261
73374	13	23·285	8·633
73375	10	24·969	8·246
73376*	19	4·620	9·048
73377	11	6·843	9·243
73378	14	7·590	9·511
73379	10	9·686	9·826
73380	14	17·700	9·897
73381	13	19·163	9·021
73382*	24	22·330	9·853
73383	15	24·762	9·126
73384	10	5·348	10·669
73385*	21	8·187	10·695
73386	10	8·381	10·665
73387*	13	10·151	10·079
73388	12	15·060	10·147
73389	13	18·514	10·562
73390	10	23·497	10·222
73391	12	23·767	10·137
73392	15	2·600	11·636
73393*	25	3·090	11·798
73394	12	12·159	11·758
73395	12	13·251	11·010
73396	11	14·647	11·048
73397	15	14·675	11·288
73398	12	15·679	11·460
73399	10	21·673	11·411
73400	18	1·342	12·314
73401	10	3·100	12·426
73402	10	3·330	12·931
73403	10	5·581	12·892

73404	14	12·152	12·929
73405	14	14·050	12·160
73406	11	14·649	12·987
73407	14	16·278	12·044
73408	20	24·520	12·601
73409	18	0·635	13·759
73410	10	3·502	13·393
73411	13	4·732	13·326
73412	12	7·607	13·253
73413	10	8·090	13·610
73414	12	8·290	13·470
73415	13	8·545	13·548
73416	14	11·578	13·668
73417*	30	12·451	13·295
73418	10	12·710	13·955
73419	12	15·610	13·908
73420	13	18·874	13·366
73421	10	20·320	13·305
73422	12	2·504	14·874
73423	10	4·222	14·871
73424	12	4·744	14·618
73425*	31	7·246	14·650
73426	19	14·440	14·083
73427	15	17·099	14·594
73428	11	18·370	14·250
73429	10	25·135	14·424
73430	11	25·640	14·969
73431	22	2·069	15·143
73432	12	2·248	15·318
73433	11	2·540	15·840
73434	11	6·286	15·121
73435	13	6·392	15·338
73436	11	9·585	15·868
73437	10	9·841	15·405
73438	11	12·781	15·610
73439*	26	13·052	15·361
73440	13	15·738	15·507
73441	15	16·246	15·026
73442	12	23·256	15·160
73443*	22	2·928	16·124
73444	17	3·058	16·472
73445	13	6·191	16·062
73446	11	7·304	16·533
73447	10	8·139	16·018
73448	11	8·457	16·973
73449	11	12·114	16·111
73450	11	16·313	16·792
73451*	45	18·297	16·798
73452	11	19·612	16·212
73453*	20	21·065	16·016
73454	19	21·146	16·796
73455*	28	21·209	16·691
73456	10	23·721	16·115
73457	15	1·085	17·718
73458	10	6·196	17·478
73459	10	16·086	17·826
73460	10	24·451	17·185
73461	12	24·739	17·691
73462	11	25·664	17·391
73463	14	4·004	18·493
73464	10	4·994	18·982
73465*	23	7·577	18·414
73466*	25	9·970	18·295
73467	11	10·293	18·376
73468	11	13·285	18·940
73469	11	13·500	18·326
73470	9	13·667	18·431
73471	15	16·936	18·735
73472	16	17·500	18·187
73473*	31	17·788	18·665
73474	10	21·161	18·020
73475	10	23·380	18·044
73476	14	1·899	19·551
73477	14	3·671	19·950

73478	15	4·045	19·423
73479	12	4·383	19·884
73480	10	5·048	19·363
73481	10	6·681	19·540
73482	12	9·122	19·506
73483	10	9·408	19·574
73484*	24	10·904	19·827
73485	10	13·101	19·982
73486	13	14·492	19·146
73487	15	14·746	19·824
73488	16	17·136	19·768
73489	12	20·354	19·360
73490	14	22·740	19·928
73491	14	23·877	19·710
73492	14	2·576	20·960
73493	10	5·389	20·120
73494	12	6·228	20·364
73495	10	6·326	20·458
73496	13	7·552	20·845
73497	12	7·949	20·419
73498	10	9·256	20·041
73499*	20	10·167	20·034
73500	12	10·739	20·200
73501	8	10·929	20·997
73502	19	11·695	20·785
73503	11	20·606	20·403
73504	14	0·566	21·397
73505	10	10·396	21·846
73506	10	10·622	21·620
73507	12	13·751	21·261
73508*	23	15·941	21·845
73509	11	17·947	21·232
73510	14	20·332	21·409
73511	20	20·598	21·946
73512	10	21·067	21·362
73513	13	21·364	21·190
73514	10	10·813	22·608
73515	11	12·986	22·540
73516	10	13·229	22·351
73517	19	13·575	22·922
73518	19	16·577	22·072
73519*	34	18·291	22·776
73520*	20	21·047	22·575
73521	13	25·750	22·045
73522	25	1·064	23·566
73523	12	8·100	23·591
73524*	14	10·085	23·116
73525	10	12·159	23·443
73526	10	12·663	23·637
73527	14	14·186	23·174
73528	18	14·587	23·287
73529	10	14·604	23·716
73530	15	19·858	23·373
73531	13	20·443	23·969
73532	13	20·843	23·250
73533	18	23·690	23·940
73534	17	25·058	23·322
73535	13	4·611	24·972
73536*	23	9·227	24·912
73537	10	11·225	24·655
73538	10	11·524	24·475
73539	13	11·957	24·278
73540	12	14·456	24·488
73541	10	14·851	24·376
73542	10	15·689	24·430
73543	13	19·215	24·680
73544	10	21·096	24·994
73545	21	22·979	24·039
73546	18	4·156	25·117
73547*	25	5·380	25·217
73548	11	10·536	25·371
73549	19	11·733	25·029
73550	18	13·462	25·019
73551	10	14·027	25·520

73552	10	16·739	25·847
73553*	19	20·121	25·211
73554	18	23·013	25·047

R. A. 23h 55m

Plate 2032; 1902 Sept. 8.

Provisional Constants.

A	B	C
−·00054	+·00417	−·1955
D	**E**	**F**
−·00422	−·00057	−·3295

Mag. = $16{\cdot}3 - 1{\cdot}36\sqrt{d}$

No.	*d*	*x*	*y*
73601	19	4·950	0·954
73602	18	5·554	0·906
73603	25	5·567	0·484
73604	17	6·423	0·223
73605	20	13·540	0·827
73606	18	16·441	0·017
73607	6	16·551	0·553
73608	15	17·455	0·627
73609	20	19·520	0·654
73610	12	20·324	0·281
73611	11	22·182	0·814
73612	21	25·202	0·616
73613	28	10·690	1·732
73614	19	15·168	1·813
73615	12	15·382	1·883
73616	21	18·783	1·764
73617	18	19·466	1·407
73618	6	22·017	1·907
73619	13	6·952	2·901
73620	10	10·771	2·782
73621	15	15·146	2·836
73622*	43	16·368	2·766
73623	18	19·510	2·532
73624	11	20·271	2·746
73625	19	23·697	2·597
73626	18	24·760	2·419
73627	15	1·951	3·276
73628*	30	3·791	3·313
73629	18	5·283	3·705
73630	17	5·300	3·445
73631	15	7·427	3·846
73632*	33	9·428	3·802
73633	10	10·088	3·327
73634	18	14·384	3·730
73635	21	16·120	3·858
73636	23	3·950	4·381
73637	19	6·908	4·629
73638	23	10·750	4·637
73639	9	15·891	4·199
73640*	19	16·108	4·039
73641	11	16·381	4·855
73642*	23	17·471	4·757
73643	15	22·309	4·876
73644	15	24·445	4·269
73645	15	25·632	4·709
73646	19	4·908	5·869
73647	17	7·061	5·098
73648	17	9·785	5·382

73649	11	10·609	5·129
73650	11	11·167	5·851
73651	9	11·951	5·567
73652	9	16·401	5·730
73653	16	17·923	5·312
73654	13	18·015	5·885
73655	10	18·969	5·889
73656	19	24·247	5·136
73657	19	1·296	6·520
73658*	45	2·481	6·978
73659	10	4·148	6·673
73660	15	5·080	6·847
73661*	28	6·832	6·464
73662	10	7·432	6·058
73663	23	8·240	6·423
73664	15	17·320	6·637
73665	17	22·298	6·226
73666	15	22·822	6·273
73667	18	0·430	7·627
73668	18	6·688	7·695
73669*	33	7·670	7·867
73670	15	8·219	7·767
73671	13	11·511	7·283
73672	15	14·610	7·088
73673	10	18·683	7·512
73674	15	19·313	7·511
73675	13	20·302	7·415
73676	13	21·918	7·954
73677	17	0·044	8·792
73678	15	1·720	8·368
73679*	40	13·716	8·650
73680	14	13·906	8·953
73681	12	15·744	8·765
73682	15	20·827	8·972
73683	13	21·355	8·758
73684	20	21·761	8·554
73685	11	22·292	8·779
73686	15	25·558	8·339
73687	20	1·534	9·254
73688	15	5·872	9·420
73689	13	7·080	9·822
73690	13	7·907	9·710
73691	6	8·108	9·933
73692	17	13·859	9·617
73693	15	14·030	9·564
73694	15	19·470	9·177
73695	7	21·220	9·457
73696	13	23·242	9·428
73697	15	0·560	10·288
73698	17	3·484	10·735
73699*	33	4·365	10·999
73700	13	5·009	10·667
73701	17	7·724	10·960
73702	19	11·745	10·824
73703	15	13·425	10·564
73704	18	4·248	11·275
73705	13	7·312	11·788
73706	17	8·092	11·571
73707	19	15·674	11·882
73708	13	18·226	11·419
73709	9	20·148	11·682
73710	11	21·341	11·196
73711	12	21·662	11·412
73712	10	24·236	11·066
73713	29	1·365	12·736
73714	14	10·964	12·716
73715*	27	12·606	12·317
73716	17	16·916	12·585
73717	17	17·701	12·870
73718	13	20·475	12·671
73719	12	21·466	12·310
73720	13	24·551	12·825
73721	13	3·306	13·204
73722	16	4·037	13·218

73723	30	7·153	13·535
73724	10	7·379	13·973
73725*	33	9·320	13·825
73726	19	9·336	13·527
73727	23	23·406	13·385
73728	19	24·405	13·953
73729	12	25·513	13·459
73730	13	5·268	14·164
73731	14	10·735	14·239
73732	13	10·980	14·458
73733	6	11·392	14·378
73734	18	11·419	14·732
73735	19	12·639	14·593
73736	13	13·170	14·817
73737	14	17·803	14·224
73738	15	17·950	14·171
73739	23	18·262	14·672
73740	8	18·263	14·334
73741	13	20·940	14·242
73742	17	21·193	14·214
73743	13	0·155	15·317
73744	9	2·537	15·074
73745	10	3·958	15·753
73746*	23	7·742	15·133
73747	11	11·694	15·893
73748	14	12·391	15·055
73749	19	13·273	15·365
73750*	24	13·940	15·192
73751*	24	16·430	15·178
73752	18	16·554	15·489
73753	13	21·030	15·247
73754	18	25·248	15·863
73755	19	4·923	16·419
73756	21	6·701	16·530
73757*	28	8·740	16·166
73758	19	17·143	16·149
73759	15	17·439	16·462
73760	12	18·665	16·850
73761*	30	20·476	16·364
73762	13	20·767	16·854
73763	11	21·329	16·576
73764	11	21·941	16·970
73765	11	22·323	16·583
73766	8	23·070	16·523
73767	13	1·399	17·316
73768	13	1·695	17·815
73769	13	2·611	17·497
73770*	23	3·310	17·854
73771	9	7·284	17·586
73772*	35	9·430	17·264
73773	23	16·352	17·346
73774*	31	16·393	17·027
73775	14	17·286	17·564
73776*	25	19·277	17·120
73777	5	21·372	17·310
73778	15	23·249	17·225
73779*	20	23·313	17·687
73780	10	23·605	17·378
73781	10	23·829	17·937
73782	6	0·855	18·959
73783	15	1·975	18·666
73784	19	5·209	18·112
73785*	35	7·643	18·324
73786	19	8·225	18·560
73787	12	8·276	18·914
73788	11	8·703	18·997
73789	21	12·584	18·428
73790	26	15·558	18·831
73791	18	18·048	18·599
73792	18	19·038	18·622
73793	15	19·750	18·461
73794	15	20·049	18·583
73795	14	22·437	18·113
73796*	40	22·604	18·051

73797	10	23·711	18·816
73798	18	0·879	19·853
73799	18	5·079	19·748
73800	18	5·131	19·145
73801	17	8·392	19·279
73802	15	13·887	19·539
73803	10	16·463	19·717
73804	18	17·400	19·283
73805	13	19·334	19·448
73806	19	22·133	19·706
73807	9	24·433	19·418
73808	12	25·328	19·738
73809	11	8·005	20·822
73810	15	8·428	20·043
73811	15	9·389	20·798
73812	13	11·571	20·882
73813	15	23·492	20·719
73814	13	25·575	20·174
73815	15	4·195	21·565
73816	18	4·567	21·634
73817	17	4·965	21·127
73818	27	6·451	21·517
73819	10	7·024	21·748
73820	15	7·552	21·839
73821*	27	7·962	21·259
73822	13	9·650	21·463
73823	13	10·773	21·785
73824	11	13·199	21·610
73825	10	15·576	21·464
73826	18	16·193	21·997
73827	11	22·362	21·559
73828	8	22·749	21·620
73829*	30	23·114	21·677
73830	8	23·781	21·608
73831	14	25·206	21·208
73832	17	2·801	22·151
73833*	40	4·930	22·034
73834	17	7·711	22·910
73835	18	8·935	22·151
73836*	50	9·630	22·524
73837	20	10·134	22·624
73838	9	10·573	22·811
73839	10	11·583	22·073
73840	18	22·601	22·945
73841	15	23·441	22·887
73842	18	23·764	22·672
73843	17	25·599	22·731
73844	8	1·997	23·651
73845	20	2·135	23·441
73846	19	3·934	23·556
73847	18	5·683	23·238
73848	10	15·142	23·754
73849	11	16·670	23·354
73850	11	16·966	23·499
73851	13	17·501	23·815
73852*	25	21·614	23·441
73853	10	23·955	23·581
73854	30	0·072	24·202
73855	20	0·776	24·088
73856	20	4·206	24·530
73857	18	6·202	24·784
73858	19	6·253	24·958
73859	12	11·574	24·137
73860*	25	12·220	24·367
73861	9	13·854	24·525
73862	15	14·904	24·415
73863	13	15·790	24·610
73864	18	21·144	24·400
73865	18	22·385	24·606
73866	20	23·199	24·314
73867	23	0·124	25·207
73868	13	4·390	25·785
73869	11	7·458	25·855
73870	20	8·038	25·223
73871	13	10·132	25·087
73872	18	10·792	25·036
73873	17	10·853	25·933
73874	8	11·269	25·658
73875	17	11·741	25·153
73876	20	12·290	25·830
73877	17	12·384	25·618
73878	20	12·541	25·766
73879	20	14·017	25·257
73880	21	17·180	25·704
73881	13	18·132	25·033
73882	9	18·184	25·500
73883	25	24·608	25·633
73884	12	25·147	25·533

UNIVERSITY OBSERVATORY, OXFORD.

ASTROGRAPHIC CATALOGUE, 1900·0.

ZONE + 31°.

STANDARD CO-ORDINATES

OF

THE STARS IN THE CATALOGUES OF THE
ASTRONOMISCHE GESELLSCHAFT

(CAMBRIDGE AND LEIDEN).

EXPLANATION OF THE COLUMNS.

Oxford No.—This is the number assigned in the preceding catalogue of measures of plates taken at Oxford (see note immediately preceding this catalogue). Every star occurs on two or more plates and has a separate Oxford number for each plate. Thus Cambridge 66 is Oxford 31°.19 (on plate $0^h\ 4^m + 31°$) and also Oxford 31°.312 (on plate $0^h\ 13^m + 31°$); it also occurs in Zone +30° as Oxford 30°.503 (on plate $0^h\ 9^m + 30°$). Hence for the complete specification of a star, the zone must be indicated as well as the number. The centre of the Oxford plate usually differs a little from the theoretical centre, and a star for which standard co-ordinates have been calculated may then fall outside the *réseau*; in such cases no Oxford number can be assigned, but the co-ordinates are printed nevertheless, as they may be useful for plates taken in the future.

Cambridge or Leiden No. and Mag.—These columns require no explanation, except for stars common to both catalogues. In such cases the Cambridge place has been adopted in preference, since the Cambridge Catalogue covers the greater part of the Oxford plates; but the stars in the Cambridge Appendix (p. 299) have not been used, as they were not available when these computations were made, about 1895–6.

Standard Co-ordinates.—This name was proposed (*Monthly Notices of the Royal Astronomical Society*, Vol. LIV. p. 11) for co-ordinates on an ideal plate fulfilling the following conditions:—

(i.) Plate truly centred and oriented for 1900·0.
(ii.) No refraction and aberration.
(iii.) A suitable unit of length adopted.

The formulæ giving these co-ordinates are:—

$$\xi = k \tan (\alpha - A) \sec (\theta - D) \cos \theta$$
$$\eta = k \tan (\theta - D)$$
$$\text{where } \tan \theta = \sec (\alpha - A) \tan \delta$$

where α, δ are the R.A. and Dec. of the star
A, D are the R.A. and Dec. of the plate centre

and k depends on the adopted unit of length. For the Astrographic Catalogue, the unit chosen is 5′ at the plate centre, and $k = 687{\cdot}54935$.

For the calculation of ξ and η, approximate formulæ were used and reduced to tables. To avoid negative signs, the constant 13·0000 has been added to all the values of ξ and η to form

$$\xi' = \xi + 13, \qquad \eta' = \eta + 13$$

and the quantities ξ' and η' are given in the following Catalogue. The co-ordinates are thus referred to a corner of the *réseau* and not to the plate centre.

The Right Ascensions and Declinations used are those of the Catalogues brought up from 1875·0 to 1900·0 with the precessions and secular variations given in those Catalogues without any application of proper motions. For determining plate constants *provisional* proper motions have been applied in most cases where they were well enough known; but as it appears probable that these may soon be determined more accurately, it was thought better to await further investigation before making any corrections to the following standard co-ordinates.

The co-ordinates here printed thus represent simply the places printed in the Catalogues. In the course of the work some errors were found in the Catalogues, especially in cases of a single meridian observation only. Sometimes, for instance, the meridian declination is 1° in error, and there is *no* star near the catalogue place. The "standard co-ordinates" will then be quite erroneous and cannot be corrected in any simple way; they must be recomputed. But such cases, and others of large proper motion, are reserved for tabulation and discussion in the last volume.

R.A. 0^h 4^m

Reference Number.		Mag.	Standard Co-ordinates. 1900·0.	
Oxford.	Cambridge or Leiden.		ξ′.	η′.
56	C 31	9·0	16·6910	6·1912
27	C 32	7·9	17·2566	2·5598
...	C 59	9·3	23·4789	0·4302
19	C 66	9·5	24·7972	1·9808
211	L 10220	8·9	0·2708	22·1386
169	L 10221	9·5	0·4031	18·1443
232	L 10232	9·5	3·2354	24·4212
212	L 10234	9·0	4·0363	21·7434
125	L 10237	9·4	5·5502	13·6393
67	L 2	8·0	7·0345	7·9049
248	L 7	8·9	8·4334	25·2145
174	L 9	8·0	8·9124	18·4383
128	L 12	6·9	8·9787	14·3658
93	L 16	6·8	10·1137	11·0285
94	L 17	7·2	10·4203	10·8762
238	L 22	9·3	11·5369	24·0202
240	L 26	8·8	13·1596	24·0699
106	L 30	9·0	15·8918	11·7280
204	L 31	9·2	15·9217	20·9651
205	L 35	8·0	17·1176	21·2407
209	L 46	8·4	21·4784	20·8038
135	L 47	9·1	21·8453	13·5949
88	L 48	9·0	22·2297	10·0878
255	L 55	8·2	24·6192	25·0710

R.A. 0^h 13^m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
312	C 66	9·5	1·4279	1·9784
302	C 83	8·7	5·5784	0·7270
313	C 91	9·0	7·0785	1·3647
304	C 95	8·7	7·7103	0·7111
315	C 118	9·0	13·1328	1·6864
343	C 120	8·6	13·2911	5·8780
328	C 123	8·5	14·2948	4·1785
336	C 136	9·3	17·1726	4·6360
344	C 142	6·5	18·6453	5·5756
345	C 145	8·0	18·9239	6·0227
324	C 152	9·3	20·7203	3·0921
331	C 163	9·5	22·0255	3·8900
309	C 166	9·5	22·5038	1·2565
332	C 174	9·5	24·9395	4·2965
483	L 55	8·2	1·7168	25·0676
434	L 60	9·1	3·8307	19·2427
416	L 61	9·5	4·0133	16·4369
385	L 63	6·5	5·0634	12·7875
367	L 64	9·3	5·1034	9·5209
350	L 71	8·0	10·1369	7·2307
370	L 76	8·4	12·4916	9·8381
390	L 79	6·0	14·0590	12·5445
473	L 82	9·4	15·1816	22·9291
392	L 85	9·5	17·2998	13·2930
489	L 88	9·1	18·8266	24·6912

R.A. 0^h 22^m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
532	C 174	9·5	1·6169	4·2909
518	C 190	9·0	6·0370	2·0657
519	C 193	9·0	6·4066	2·6015

R.A. 0^h 22^m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
540	C 200	9·3	8·2681	5·0111
510	C 217	9·5	11·7769	1·3095
502	C 218	9·4	11·9134	0·0832
542	C 221	8·8	12·2298	5·9163
520	C 226	8·9	13·0259	2·5995
544	C 230	8·5	13·3319	5·0804
504	C 242	9·2	15·0706	0·2329
529	C 259	8·7	18·4336	3·1860
511	C 261	9·3	18·5971	1·5585
512	C 262	9·0	18·6020	1·5772
524	C 265	9·2	19·3205	2·1126
506	C 286	8·7	25·1363	0·6950
611	L 102	9·1	3·1662	16·5875
597	L 105	9·3	4·2607	15·3022
556	L 106	8·9	4·7540	8·6412
575	L 110	9·2	5·7589	11·1860
569	L 113	6·8	6·3270	10·8497
680	L 116	8·9	8·0219	24·4085
564	L 121	9·0	9·7207	9·9289
660	L 124	8·3	10·4932	21·3213
558	L 130	7·8	12·6523	8·4810
571	L 135	8·9	13·8116	10·1740
616	L 136	9·0	13·9443	16·8671
676	L 140	6·7	16·0593	23·6264
590	L 146	8·9	20·4367	13·5912
657	L 148	7·9	21·1701	20·5293
650	L 150	7·8	21·6200	20·0471
606	L 158	9·1	24·2402	15·5614

R.A. 0^h 31^m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
701	C 286	8·7	1·7408	0·6865
714	C 336	9·0	11·2915	2·1120
715	C 348	9·0	13·0372	1·5371
747	C 350	9·0	13·2195	5·4174
709	C 358	9·5	15·3868	0·6006
...	C 363	9·2	16·9028	0·5077
767	C 372	9·0	19·4651	6·6677
759	C 377	9·4	20·1089	6·2654
754	C 378	3·3	20·7058	4·7981
840	L 158	9·1	1·1456	15·5676
845	L 171	9·1	6·5758	16·0479
922	L 173	8·9	7·4376	22·9487
825	L 174	7·5	7·5079	14·1444
942	L 180	9·5	11·2354	25·5201
895	L 183	8·8	11·4226	21·1882
812	L 195	8·0	14·8956	12·2329
900	L 199	8·5	17·1619	20·9851
854	L 202	8·3	18·9244	17·3083
948	L 207	8·5	20·9893	25·9903
849	L 211	9·0	23·3992	15·8023
821	L 212	8·8	23·7834	13·2385
780	L 213	8·0	24·6572	7·8538

R.A. 0^h 40^m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
1021	C 401	9·0	4·7227	2·0561
1022	C 409	9·1	5·4078	2·2503
1048	C 422	8·7	9·8424	5·2389

R.A. 0^h 40^m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
1014	C 429	9·0	11·5082	1·7686
1051	C 450	7·8	15·6791	5·7755
1052	C 452	8·0	15·8010	5·8667
1018	C 471	9·3	20·3783	1·6261
1026	C 472	8·5	20·3992	2·4615
1053	C 474	9·5	20·6784	5·2367
1035	C 481	9·1	23·6077	3·3999
1013	C 485	9·4	24·3953	0·2107
1143	L 211	9·0	0·3096	15·8257
1130	L 212	8·8	0·6419	13·2544
1062	L 213	8·0	1·4065	7·8532
1244	L 218	8·1	4·6426	25·7822
1180	L 219	8·7	4·8380	19·7531
1233	L 221	9·4	5·3635	24·7673
1153	L 223	8·8	5·9914	16·4077
1171	L 227	9·0	8·5134	18·1774
1113	L 231	9·1	10·1992	11·2281
1114	L 232	8·8	10·2108	11·0441
1141	L 238	8·5	13·1995	14·4633
1221	L 241	9·0	15·2714	22·6540
1147	L 242	9·0	15·3069	15·1613
1238	L 245	9·0	16·3835	24·3787
1190	L 246	9·1	17·0532	19·3718
1083	L 252	8·6	20·1637	9·0020
1213	L 262	8·2	24·3662	21·1361
1126	L 261	9·0	24·4179	12·9639
1197	L 267	8·9	25·5368	19·2523

R.A. 0^h 49^m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
1329	C 481	9·1	0·2672	3·4205
1301	C 485	9·4	0·9901	0·2168
1314	C 524	8·4	8·5694	1·7439
1307	C 540	9·3	13·8627	0·9184
1326	C 545	7·7	15·4918	2·4327
1334	C 554	9·0	17·6965	3·2943
1428	L 261	9·0	1·2707	12·9672
1535	L 262	8·2	1·3843	21·1387
1515	L 267	8·9	2·5165	19·2313
1516	L 272	8·9	3·8942	19·1241
1500	L 280	8·0	6·4339	18·5091
1547	L 281	8·0	6·5999	22·8959
1400	L 284	9·0	6·8356	9·7607
1491	L 283	8·8	6·8586	17·2808
1359	L 289	9·0	8·3952	6·4616
1434	L 288	8·0	8·4204	12·0174
1421	L 290	7·5	8·5753	11·2275
1456	L 297	9·4	11·8576	14·6432
1492	L 300	8·8	12·7167	17·8868
1543	L 302	9·1	14·8003	22·0012
1436	L 303	9·1	14·9755	12·9020
1482	L 310	8·9	16·9039	16·5195
1554	L 311	7·8	17·0234	22·6106
1447	L 318	9·4	19·2988	13·9070
1495	L 319	7·9	19·5100	17·2811
1426	L 321	9·2	20·3327	11·7231
1483	L 323	9·2	20·9789	16·3702
1509	L 329	8·7	22·6050	18·7361
1385	L 331	8·5	23·3056	7·7204
...	L 334	6·8	24·8346	24·0567

R.A. 0h 58m

Reference Number. Oxford.	Cambridge or Leiden.		Mag.	Standard Co-ordinates. 1900·0. ξ′.	η′.
1614	C	593	9.3	4.4655	2.5067
1615	C	606	8.9	7.6553	2.2109
1618	C	615	9.2	11.5949	2.9731
1803	L	334	6.8	1.9117	24.0491
1804	L	337	7.3	2.9996	24.4922
1752	L	339	9.0	3.6173	18.7474
1730	L	340	7.7	4.0547	16.8169
1792	L	343	8.5	4.8186	22.4961
1733	L	350	8.5	7.9474	16.3003
1645	L	351	8.0	8.3391	7.5159
1769	L	352	8.9	9.7877	20.2685
1734	L	358	5.5	11.3059	16.2106
1705	L	360	9.0	11.6035	13.5625
1648	L	365	9.1	13.3048	7.9159
1665	L	366	8.8	13.6548	8.7034
1641	L	369	8.9	14.2240	6.5847
1698	L	370	7.8	14.5923	12.5978
1707	L	371	9.4	15.0037	13.1954
1744	L	377	9.1	17.5372	18.0079
1814	L	381	9.5	19.1163	24.5440
1786	L	382	9.0	19.4738	21.6751
1778	L	384	7.2	19.8553	20.7811
1736	L	385	9.0	20.0621	16.7427
1687	L	386	9.0	20.1786	10.5416
1763	L	389	9.2	20.4467	19.5326
1652	L	390	8.6	20.6430	8.0277
1670	L	393	9.1	21.8640	8.4157
1754	L	399	6.9	24.4608	18.8042
1748	L	402	9.0	25.3183	17.3794
1755	L	403	9.2	25.4008	18.5082

R.A. 1h 7m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
1961	C	683	8.3	9.5388	6.0278
1907	C	703	8.5	15.7401	0.6252
1909	C	717	7.5	17.7321	1.1595
1919	C	725	8.9	20.4441	2.0095
1940	C	727	9.1	22.0151	4.2763
2127	L	399	6.9	1.4317	18.8053
2104	L	402	9.0	2.2601	17.3636
2128	L	403	9.2	2.3654	18.4901
2079	L	405	8.5	3.3530	14.9229
1957	L	415	8.4	6.6247	6.2895
2106	L	418	9.1	8.6483	16.5355
2032	L	419	9.0	8.6840	10.5702
2239	L	420	8.2	9.3599	24.8334
2044	L	421	5.5	9.3888	11.7230
2172	L	430	8.2	12.9157	21.1636
2149	L	433	8.2	13.8144	19.5138
2150	L	434	7.0	13.8778	19.5415
2192	L	437	9.0	14.4478	21.7121
2211	L	443	8.8	15.7724	23.3775
2010	L	444	8.5	16.2545	9.1268
2139	L	452	9.0	18.4846	18.9025
2013	L	457	8.9	19.5704	8.9691
2064	L	460	8.8	20.7044	12.9616
2102	L	468	8.2	24.4581	15.7559
2103	L	471	6.8	25.4488	15.6713
2182	L	472	9.3	25.4773	20.9039

R.A. 1h 16m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
2354	C	785	8.7	18.1568	6.1245
2355	C	791	9.5	19.7100	5.7429
2344	C	798	9.3	22.1551	5.2084
2439	L	468	8.2	1.3673	15.7577
2440	L	471	6.8	2.3561	15.6530
2489	L	472	9.3	2.4905	20.8837
2450	L	473	9.3	3.5536	16.6758
2524	L	478	9.0	6.9476	24.9035
2503	L	482	8.3	7.9202	22.2519
2407	L	483	9.0	8.3955	12.1322
2434	L	488	8.8	9.4973	14.7074
2422	L	490	8.6	9.6518	13.4299
2400	L	494	8.8	12.5101	10.8514
2350	L	496	8.9	12.9388	6.1828
2351	L	498	9.0	13.7661	6.2933
2436	L	503	7.6	14.5361	15.1883
2365	L	504	8.6	14.8884	6.6445
2460	L	505	7.6	16.4544	16.8227
2445	L	507	9.4	17.0950	16.0282
2446	L	508	9.0	17.7856	16.1852
2478	L	512	9.0	18.7440	19.2028
2377	L	513	9.0	19.1032	8.0739
2469	L	514	9.0	19.9235	17.6810
2479	L	515	8.0	20.7328	18.8247
2462	L	517	8.7	21.6675	17.3247
2480	L	521	8.7	23.0158	18.5912
2385	L	522	8.3	23.1116	8.7289
2419	L	523	8.1	23.1436	13.4208
2420	L	526	8.0	23.3266	13.3723
2394	L	524	8.7	23.3364	10.3902
2473	L	528	9.1	24.6608	17.7657
2521	L	529	8.8	25.1802	23.7866

R.A. 1h 25m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
2601	C	824	8.3	4.9351	0.9303
2615	C	827	7.4	7.0663	1.5077
2663	C	832	8.4	10.0197	5.5678
2651	C	835	9.0	11.0803	4.4544
2606	C	846	9.4	13.4312	1.3778
2620	C	851	8.0	15.9891	2.3289
2638	C	855	9.5	16.9896	3.8655
2647	C	879	9.3	24.5761	4.1780
2631	C	881	9.2	25.0613	2.9753
2648	C	884	8.6	25.4216	4.2228
...	L	524	8.7	0.1374	10.4157
...	L	526	8.0	0.1878	13.3970
2774	L	528	9.1	1.6107	17.7631
2852	L	529	8.8	2.2517	23.7715
2677	L	534	8.5	5.3956	8.0024
2699	L	536	9.5	5.4739	9.7617
2790	L	537	6.9	5.5679	18.4336
2858	L	540	8.5	8.1487	24.2813
2672	L	546	8.1	10.9486	6.8839
2875	L	548	9.0	11.5380	25.8606
2823	L	550	8.2	12.5064	21.0575
2846	L	553	9.2	13.9299	22.9668
2871	L	560	8.1	16.9581	25.3487
2667	L	564	8.9	20.1409	6.2405
2685	L	576	9.4	25.0009	8.3065
2705	L	579	8.4	25.4607	10.3799

R.A. 1h 34m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
2942	C	879	9.3	1.2511	4.1797
2926	C	881	9.2	1.7120	2.9677
2943	C	884	8.6	2.0973	4.2079
2928	C	892	9.3	5.2276	2.4889
2929	C	898	9.0	6.9628	3.0270
2913	C	901	9.1	7.7720	1.5267
2959	C	904	8.1	8.8221	4.3662
2905	C	921	8.9	13.7122	1.2594
2998	L	576	9.4	1.7593	8.2989
3036	L	579	8.4	2.2612	10.3626
3104	L	581	8.5	2.7877	16.0300
3191	L	582	9.0	2.9434	22.1288
3178	L	590	9.0	4.9255	20.9193
3242	L	600	9.5	6.7430	25.4218
3056	L	606	9.0	9.5269	11.4893
3100	L	609	7.8	10.9215	14.6891
3101	L	613	9.2	13.9877	14.6902
3224	L	615	9.0	14.4362	23.7990
3110	L	616	9.1	14.6518	15.6059
3170	L	626	8.0	18.8262	19.6247
3019	L	629	8.6	19.5512	8.6244
3207	L	632	9.2	20.1206	21.5101
2995	L	635	7.8	21.3918	7.3052
3255	L	637	8.3	22.1928	26.0052
3133	L	640	9.4	23.2181	17.4409
3188	L	641	6.5	23.5277	21.3095
2996	L	644	9.1	24.3346	6.5026
3239	L	645	7.2	24.8196	25.2472

R.A. 1h 43m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
3335	C	964	9.0	6.6056	4.1695
3349	C	968	8.3	7.7080	4.5277
3327	C	972	9.1	8.6958	2.9113
3352	C	980	9.4	11.3877	5.3098
3342	C	983	8.3	12.4132	4.3689
3307	C	988	8.9	13.7403	1.2608
3345	C	1000	9.4	16.8019	4.0753
3354	C	1004	8.0	17.3528	4.7049
3361	C	1005	8.1	17.5197	5.9509
3311	C	1006	8.6	17.9024	0.7230
3317	C	1027	9.1	25.1912	0.7040
3522	L	641	6.5	0.5494	21.3292
3364	L	644	9.1	1.0566	6.5086
3576	L	645	7.2	1.9208	25.2394
3374	L	648	9.1	4.8450	7.7034
3426	L	651	9.0	6.4121	12.8648
3486	L	653	9.5	6.6211	17.7352
3562	L	662	9.1	9.6137	24.1537
3511	L	663	9.0	9.7110	19.8051
3410	L	665	9.3	11.2073	11.3874
3566	L	674	9.0	14.5321	24.1310
3395	L	676	8.5	15.3082	10.0986
3480	L	678	9.3	16.2804	16.5635
3419	L	680	9.0	16.8998	11.4620
3420	L	681	8.5	16.9249	11.7707
3424	L	694	9.3	22.6661	12.0532
3435	L	696	8.7	22.9279	12.5878
3548	L	698	8.7	23.7900	21.6576
3460	L	700	9.3	24.3646	14.7906
3503	L	702	8.0	25.1335	18.4406
3504	L	703	9.0	25.2766	19.1484

R.A. 1^h 52^m

Reference Number. Oxford.	Cambridge or Leiden.		Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
3601	C	1027	9·1	1·7959	0·6944
3639	C	1052	8·9	8·4195	4·1064
3604	C	1055	9·0	9·5179	0·5164
...	C	1056	8·3	9·6588	0·4102
3665	C	1060	7·6	11·0965	7·4325
3616	C	1062	9·5	11·5675	2·0897
...	C	1068	9·0	12·8555	2·2129
3644	C	1088	9·5	17·7281	3·9233
3812	L	698	8·7	0·8187	21·6719
3731	L	700	9·3	1·2544	14·7943
3778	L	702	8·0	2·0971	18·4280
3779	L	703	9·0	2·2542	19·1327
3756	L	706	8·7	4·8832	17·3683
3834	L	711	9·4	7·6783	23·8062
3700	L	713	9·2	7·7651	10·6415
3835	L	714	9·0	7·8786	24·2359
3734	L	715	8·2	7·9569	14·7935
3664	L	721	9·3	10·8760	7·4381
3676	L	723	8·0	11·5553	7·8908
3715	L	725	9·0	11·6835	12·6634
3716	L	726	8·5	11·9910	12·7787
3796	L	730	8·9	12·4273	19·6007
3723	L	731	9·0	12·4395	13·9908
3724	L	733	8·9	12·8433	14·2213
3659	L	735	8·6	13·0302	5·9021
3686	L	738	7·0	13·7881	8·7753
3701	L	739	9·4	13·8946	10·6380
3766	L	740	9·0	14·6616	18·3026
3708	L	747	8·9	18·7635	11·5161
3770	L	748	8·3	19·2910	17·9500
3739	L	749	8·5	19·5444	15·4519
3704	L	751	8·5	20·0537	11·3002
3762	L	755	8·7	21·6059	16·5484
3720	L	756	9·2	21·7965	13·1087
3811	L	760	8·0	23·0872	20·6986
3728	L	766	8·6	24·9129	14·0168

R.A. 2^h 1^m

Reference Number. Oxford.	Cambridge or Leiden.		Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
3943	C	1124	7·8	7·7125	3·7613
3907	C	1133	9·0	12·3101	0·2618
3967	C	1148	9·1	18·2757	4·5276
3977	C	1153	9·5	20·2460	5·1580
3914	C	1157	9·0	21·5469	0·0648
4085	L	766	8·6	1·7869	14·0098
4217	L	771	8·6	4·0246	23·9685
4130	L	774	8·3	4·8116	17·9218
4050	L	777	8·6	5·5259	11·8019
4009	L	780	8·3	7·9905	8·0589
4028	L	781	8·3	8·1349	9·3104
3994	L	784	8·4	11·6638	7·2046
4055	L	793	9·4	17·3776	11·9984
4226	L	801	7·7	20·1733	23·1330
4095	L	802	9·1	20·3524	14·6554
4256	L	804	8·3	20·7536	25·9430
4035	L	805	9·3	21·1070	9·6163
4257	L	806	8·7	21·3401	25·5984
4126	L	807	9·0	21·6038	16·2639
4084	L	811	6·5	24·7464	13·7201

R.A. 2^h 10^m

Reference Number. Oxford.	Cambridge or Leiden.		Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
4310	C	1175	9·3	4·3853	1·5585
4311	C	1178	7·8	6·0939	2·0904
4328	C	1188	7·4	9·1326	4·1028
4312	C	1193	9·5	10·0028	2·2179
...	C	1194	8·0	10·0750	0·1278
...	C	1195	8·0	10·0984	0·1393
4320	C	1236	9·4	23·0755	1·8610
4338	C	1239	8·7	23·3500	4·9848
4339	C	1240	8·9	23·8592	5·3768
4407	L	811	6·5	1·6144	13·7165
4477	L	814	7·5	4·3874	21·1892
4426	L	818	9·1	6·5318	16·0547
4457	L	821	8·0	7·2410	18·4325
4441	L	828	9·0	9·5810	17·2205
4369	L	836	8·9	13·7504	9·1373
4358	L	838	7·4	14·3077	7·9453
4401	L	842	9·3	15·5300	13·1381
4359	L	843	8·5	15·8508	7·5143
4403	L	845	8·5	16·9540	12·6565
4433	L	847	8·8	17·1769	15·4807
4348	L	848	9·2	17·3434	6·7469
4389	L	849	9·0	18·4230	10·6393
4443	L	851	9·1	18·8630	16·4525
4485	L	853	8·5	19·9245	21·0081
4449	L	857	9·2	21·7759	17·5611
4511	L	858	9·0	21·9181	24·9860
4474	L	860	9·0	22·3974	20·2214
4395	L	862	7·3	23·2562	11·6113
4498	L	864	8·0	23·5521	23·3542

R.A. 2^h 19^m

Reference Number. Oxford.	Cambridge or Leiden.		Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
4658	C	1240	8·9	0·5587	5·3924
4637	C	1251	8·3	3·1756	3·6354
4646	C	1257	8·9	3·9962	5·3939
4640	C	1288	8·7	11·0212	3·7239
4630	C	1295	8·4	12·9473	3·3904
4654	C	1310	8·7	18·1252	4·7854
4610	C	1329	9·5	22·9092	0·6980
4611	C	1331	9·4	23·2224	1·3524
4862	L	864	8·0	0·6152	23·3733
4805	L	876	8·9	4·6298	19·7783
4733	L	879	8·4	6·9180	14·0039
4903	L	882	9·0	8·4106	25·5660
4896	L	893	8·8	13·4132	24·6264
4710	L	895	8·8	13·6585	11·1265
4833	L	897	9·5	14·1299	20·5751
4898	L	898	7·3	14·3352	24·4676
4836	L	899	8·4	14·5468	20·8136
4676	L	903	7·8	16·0792	6·4925
4785	L	904	8·2	16·1492	18·1375
4838	L	906	9·2	17·5650	21·0824
4839	L	907	9·2	17·8066	21·1297
4712	L	910	8·0	18·3870	11·0792
4772	L	913	5·7	19·5033	17·2491
4788	L	915	9·0	20·8982	18·0278
4859	L	919	9·0	21·9047	21·8871
4860	L	920	8·7	21·9362	21·7194
4667	L	923	7·8	24·5121	6·0819
4822	L	926	8·9	25·3696	20·2404

R.A. 2^h 28^m

Reference Number. Oxford.	Cambridge or Leiden.		Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
5028	C	1346	9·0	5·7173	3·5184
5055	C	1363	9·2	15·2241	5·5421
5032	C	1367	8·2	16·7436	3·9204
5011	C	1381	7·8	21·4360	0·7021
...	C	1394	8·7	25·6445	2·3616
5046	L	923	7·8	1·2257	6·0845
5169	L	926	8·9	2·3694	20·2225
5107	L	938	8·2	6·9300	13·8448
5173	L	942	8·6	8·0125	20·0444
5188	L	944	7·5	8·6572	20·8805
5144	L	948	9·4	10·1036	16·8668
5158	L	952	9·1	11·1848	18·8226
5076	L	953	9·2	11·4679	10·2097
5098	L	954	7·5	12·0212	12·6264
5122	L	956	7·5	12·9007	14·7110
5100	L	957	7·6	13·1162	12·5933
5234	L	958	7·5	13·2743	25·1495
5226	L	962	9·0	14·2707	24·0547
5134	L	968	9·4	15·8179	15·6222
5090	L	972	8·9	17·1691	12·2186
5079	L	976	7·8	18·0566	9·4733
5123	L	980	6·1	20·0740	15·0816
5057	L	990	7·3	24·8935	5·8272

R.A. 2^h 37^m

Reference Number. Oxford.	Cambridge or Leiden.		Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
5319	C	1394	8·7	2·2827	2·3427
5328	C	1431	9·2	20·4056	1·4763
5312	C	1432	9·3	20·6648	0·8404
5367	L	990	7·3	1·6019	5·8222
5368	L	997	9·5	4·2247	6·3816
5449	L	1003	9·0	5·4454	11·5165
5587	L	1006	7·3	6·4396	23·7001
5463	L	1009	8·2	7·5242	12·8937
5422	L	1010	8·9	7·9266	10·2554
5385	L	1012	6·9	10·4833	7·1142
5597	L	1013	9·2	10·9262	24·7922
5511	L	1020	8·7	14·1202	17·4203
5578	L	1021	8·9	15·3588	22·9481
5591	L	1022	7·5	15·5375	24·3599
5401	L	1026	9·0	16·7445	8·3973
5402	L	1027	9·3	16·7685	8·1770
5550	L	1029	9·0	16·9437	20·1949
5476	L	1030	8·7	17·6113	13·8213
5554	L	1038	8·4	21·4850	19·9254
5470	L	1042	7·9	23·4200	12·7594
5418	L	1045	7·9	25·2767	8·6804
5584	L	1046	9·1	25·4197	22·6735
5407	L	1047	8·4	25·8372	7·9780

R.A. 2^h 46^m

Reference Number. Oxford.	Cambridge or Leiden.		Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
...	C	1455	8·3	3·4628	0·1549
5733	C	1465	9·2	7·0321	3·2031
5720	C	1469	7·1	7·8389	2·3544
5722	C	1474	7·7	10·7092	2·1563
5723	C	1480	8·0	13·3560	2·3486
5729	C	1509	8·6	22·4256	1·7715
5730	C	1511	9·1	22·7403	1·6676

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
R.A. 2h 46m (continued)				
5825	L 1042	7.9	0.2688	12.7828
5783	L 1045	7.9	2.0427	8.6671
5911	L 1046	9.1	2.4688	22.6540
5772	L 1047	8.4	2.5888	7.9537
5794	L 1048	8.3	3.3234	10.3544
5796	L 1049	7.2	4.4581	9.4781
5894	L 1053	8.6	5.7458	21.3798
5785	L 1058	8.5	7.0199	8.4242
5881	L 1065	6.5	8.8786	19.7241
5905	L 1066	9.0	9.0543	21.9601
5930	L 1068	8.0	10.2848	24.4097
5854	L 1076	7.0	16.5057	15.8281
5848	L 1077	9.0	16.7701	14.8579
5778	L 1080	9.0	17.1768	8.2458
5790	L 1081	9.3	17.4702	8.4539
5935	L 1083	9.0	17.8431	23.8327
5861	L 1082	8.1	17.8506	16.4654
5936	L 1084	8.3	18.2754	24.1605
5937	L 1086	9.1	19.4519	23.5053
5835	L 1090	9.0	21.7104	13.3888
5793	L 1095	7.0	22.4389	8.6875
5850	L 1097	7.9	22.8646	15.1461
5890	L 1098	9.0	23.8283	20.2314
5892	L 1100	8.5	24.4791	19.6194
5770	L 1101	8.0	24.6337	6.7688
R.A. 2h 55m				
6013	C 1518	9.1	2.5931	1.8358
6022	C 1531	9.5	8.5436	2.6936
6023	C 1535	9.2	9.2755	2.6019
6040	C 1537	8.3	10.0895	3.4949
6025	C 1541	8.3	11.4917	3.0612
6017	C 1551	9.1	16.0569	2.0567
6019	C 1560	8.5	19.8811	2.4451
6032	C 1570	8.6	25.1592	2.7170
6179	L 1098	9.0	0.8282	20.2454
6064	L 1101	8.0	1.3611	6.7689
6181	L 1100	8.5	1.4664	19.6199
6182	L 1105	4.8	3.3258	19.4243
6125	L 1109	7.8	5.2111	14.4036
6198	L 1110	8.8	5.5791	20.4096
6262	L 1111	6.6	5.9163	25.7072
6230	L 1112	9.0	6.1271	22.4276
6114	L 1114	9.0	6.4747	12.4916
6232	L 1119	9.0	8.7387	22.9820
6097	L 1128	7.5	10.9980	9.7380
6245	L 1133	9.1	12.9003	24.0529
6217	L 1135	9.0	13.0638	21.6614
6188	L 1136	8.6	13.4499	19.6993
6253	L 1137	6.5	13.9536	25.2039
6202	L 1138	9.0	14.7475	21.2310
6150	L 1140	9.0	15.5172	17.4308
6082	L 1141	8.8	15.8730	8.0981
6194	L 1152	8.0	21.2124	19.6806
6108	L 1154	8.7	22.0773	12.0723
6091	L 1156	8.5	22.9520	8.8258
6222	L 1158	7.5	23.8979	21.5451
6063	L 1159	8.4	24.7862	6.1902
6209	L 1160	7.5	24.8523	20.7811

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
R.A. 3h 4m				
6314	C 1570	8.6	1.8046	2.7077
6315	C 1575	7.5	4.7016	2.7261
6316	C 1579	9.5	8.3710	2.2468
6464	L 1158	7.5	0.9243	21.5573
6347	L 1159	8.4	1.5019	6.1875
6453	L 1160	7.5	1.8631	20.7737
6489	L 1169	9.0	3.8788	23.4676
6454	L 1172	8.9	4.2749	20.4514
6326	L 1174	9.1	4.5005	4.2579
6433	L 1179	9.0	5.9542	17.9147
6483	L 1188	8.9	9.6511	22.9106
6397	L 1192	9.0	11.6140	12.6431
6406	L 1194	8.8	12.2643	13.1980
6493	L 1197	7.0	14.8448	23.1699
6449	L 1201	9.0	16.4170	19.4643
6501	L 1202	8.8	16.5657	24.2120
6478	L 1203	8.4	17.0483	21.9429
6364	L 1204	9.4	17.9122	8.4682
6411	L 1205	9.0	18.3010	13.5155
6351	L 1210	8.7	20.3601	6.7500
6373	L 1211	9.4	20.4575	9.2319
6497	L 1212	8.3	20.7404	23.8982
6374	L 1213	7.2	20.9205	9.3577
6503	L 1214	9.3	20.8747	24.4846
6429	L 1216	8.9	22.0398	16.8576
6375	L 1217	8.9	22.7045	9.5475
6346	L 1222	8.5	25.5523	5.7842
R.A. 3h 13m				
6620	C 1608	5.6	3.2739	3.2539
6604	C 1632	9.0	11.1237	0.5969
6606	C 1655	9.4	18.4743	0.5233
...	C 1656	8.5	18.7875	0.0142
6619	C 1672	8.3	24.3735	2.0388
6634	L 1222	8.5	2.2596	5.7663
6729	L 1233	9.0	5.6720	19.7013
6758	L 1235	6.5	6.4342	22.8275
6665	L 1237	9.2	7.3196	9.0435
6642	L 1238	8.9	8.5288	6.7821
6669	L 1240	6.5	9.2886	10.1402
6645	L 1243	9.0	10.6300	6.5451
6666	L 1245	8.2	11.1094	9.0392
6749	L 1246	8.3	11.5496	21.2773
6741	L 1254	8.9	15.3745	20.9014
6667	L 1257	8.8	15.6258	9.6877
6646	L 1260	8.8	16.6138	6.8708
6638	L 1264	8.3	18.6848	5.8873
6708	L 1268	7.8	19.9156	16.5806
6723	L 1270	9.1	20.9318	18.8445
6694	L 1271	7.5	21.0989	13.6837
6710	L 1272	8.7	21.2524	16.0322
6778	L 1273	7.6	21.4851	23.6124
6744	L 1274	9.1	22.7563	20.9838
6746	L 1278	9.0	23.8664	20.4795
6660	L 1279	7.5	23.9865	8.5868
R.A. 3h 22m				
6808	C 1672	8.3	1.0056	2.0447
6805	C 1701	6.9	14.6738	1.3381

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
R.A. 3h 22m (continued)				
6838	L 1279	7.5	0.7509	8.5995
6897	L 1278	9.0	0.8713	22.4925
6867	L 1290	8.5	3.9781	13.6682
6940	L 1294	8.2	5.3886	25.3327
6885	L 1297	7.0	5.8751	17.5559
6824	L 1299	9.1	6.8893	5.6894
6835	L 1300	8.8	7.0288	7.9645
6890	L 1304	7.5	8.7160	18.6486
6934	L 1313	9.2	11.0761	24.6034
6871	L 1316	8.8	11.7629	13.5816
6894	L 1321	8.5	13.1295	19.7929
6945	L 1323	8.5	13.4609	25.1453
6891	L 1328	9.0	20.3554	18.4271
6877	L 1335	8.3	24.0362	14.5392
6884	L 1336	7.3	24.1066	16.7628
R.A. 3h 31m				
7047	L 1335	8.3	0.9209	14.5497
7052	L 1336	7.3	1.0363	16.7713
7094	L 1343	8.5	4.5861	21.9893
7085	L 1348	6.5	7.3478	21.2101
7061	L 1352	9.0	8.2309	17.4614
7040	L 1354	8.8	8.6210	11.7437
7063	L 1355	7.0	8.9176	17.1652
7088	L 1358	8.6	11.2650	21.3550
7037	L 1359	8.3	11.4663	9.9171
7038	L 1362	7.9	12.8085	10.5403
7039	L 1365	7.1	13.7491	10.4720
7055	L 1366	8.9	13.9306	16.4607
7083	L 1375	8.8	19.8684	20.2270
7077	L 1380	8.4	22.1575	19.1803
7102	L 1381	8.4	22.6209	22.5964
7066	L 1387	8.5	25.8752	17.3505
R.A. 3h 40m				
7202 } 7203 }	C 1802	9.3	4.1589	0.4833
7297	L 1387	8.5	2.8163	17.3231
7293	L 1394	8.8	4.6504	17.0059
7313	L 1399	8.8	7.5884	22.6658
7329	L 1400	4.0	8.0256	24.6711
7322	L 1401	8.2	8.6732	23.1710
7275	L 1403	9.0	10.1352	10.3552
7331	L 1404	8.3	10.9027	24.6683
7310	L 1406	9.0	11.8071	21.4277
7333	L 1407	9.0	13.2996	24.3189
7334	L 1409	6.8	14.0197	24.7426
7326	L 1416	6.5	16.9263	23.6471
7298	L 1419	8.7	18.2687	17.4539
7307	L 1420	8.0	18.4249	20.8732
7244	L 1422	8.7	19.1582	5.2071
7305	L 1423	8.9	20.0916	19.8150
7338	L 1424	8.1	20.2121	24.5127
7277	L 1426	8.8	20.6647	10.7632
7290	L 1436	8.3	23.7681	16.0459
7328	L 1439	8.6	24.9555	23.4699
7248	L 1438	9.0	25.0615	5.7193

R.A. 3^h 49^m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
7408	C	1943	9·0	25·2391	2·8044
7534	L	1436	8·3	0·6834	16·0616
7422	L	1438	9·0	1·7676	5·7111
7593	L	1439	8·6	2·0207	23·4596
7479	L	1450	6·5	4·8342	11·4546
7567	L	1451	8·8	4·9957	21·6825
7568	L	1455	8·8	5·3592	21·0879
7529	L	1462	8·8	7·7789	15·3357
7434	L	1466	8·9	8·7535	6·7239
7561	L	1468	3·0	10·0465	20·0458
7462	L	1471	9·0	10·6720	9·4322
7470	L	1474	6·5	13·3420	10·0204
7428	L	1476	9·2	14·2776	5·6692
7599	L	1477	8·8	14·5498	23·3447
7600	L	1478	8·8	14·7089	23·4461
7618	L	1489	9·3	20·9070	25·8769
7518	L	1490	9·0	21·5055	14·4824
7580	L	1494	8·8	22·6809	21·7430
7511	L	1496	8·6	24·4059	13·9536
7524	L	1497	8·8	24·6284	14·0255
7591	L	1498	9·0	24·6664	22·4099

R.A. 3^h 58^m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
7709	C	1943	9·0	1·8863	2·7937
7702	C	1948	9·4	4·7384	0·1415
7703	C	1955	9·1	6·4131	0·6971
7729	C	1961	9·4	9·4981	4·5438
7708	C	1993	7·5	19·7997	1·0600
7806	L	1496	8·6	1·2788	13·9569
7816	L	1497	8·8	1·5026	14·0242
7915	L	1498	9·0	1·7102	22·4062
7961	L	1502	9·4	3·1770	25·1233
7946	L	1508	8·5	5·5895	24·8743
7947	L	1512	8·8	6·4978	24·2315
7758	L	1515	9·0	7·4289	8·0846
7807	L	1516	8·2	8·2079	13·7000
7835	L	1518	8·1	8·3306	15·5459
7738	L	1524	9·0	11·2092	6·2469
7764	L	1529	8·9	13·9575	8·3093
7836	L	1534	7·2	16·2119	15·6955
7911	L	1535	9·4	16·4147	21·7986
7845	L	1543	9·4	20·3355	16·5471
7879	L	1546	8·8	21·1008	19·4921
7751	L	1554	9·0	22·0360	7·4501
7752	L	1558	9·2	23·2146	7·8439
7849	L	1560	8·0	23·6277	16·2362
7766	L	1565	8·3	25·3062	8·8989
7753	L	1567	8·8	25·9291	7·1976

R.A. 4^h 7^m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
8033	C	2002	8·5	2·7049	5·5768
8034	C	2005	8·6	5·3045	5·6472
8019	C	2013	9·4	9·8696	3·8196
8014	C	2014	9·0	10·2372	2·8957
8027	C	2026	9·5	18·3394	4·6643
8009	C	2027	9·5	19·6710	1·9624
8010	C	2029	9·5	19·9505	1·8402

R.A. 4^h 7^m *(continued)*

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
8031	C	2035	9·4	23·1888	4·7171
8032	C	2036	9·5	23·9169	4·3917
8130	L	1560	8·0	0·5468	16·2547
8058	L	1565	8·3	2·0766	8·8851
8041	L	1567	8·8	2·6649	7·1718
8144	L	1569	9·0	3·0757	16·8445
8158	L	1572	7·0	3·5579	17·6609
8202	L	1580	9·0	5·7798	21·1745
8148	L	1584	9·0	7·7685	17·0731
8150	L	1586	7·6	8·8050	16·5018
8237	L	1588	8·3	10·1145	24·1414
8192	L	1593	8·3	11·5003	19·4461
8208	L	1604	8·5	16·0399	20·7156
8196	L	1605	8·5	16·0933	20·0025
8072	L	1606	9·0	16·2767	9·7889
8053	L	1610	8·7	17·3824	8·0186
8245	L	1612	9·4	18·7693	24·0329
8124	L	1613	7·8	19·2353	14·7747
8125	L	1614	9·2	19·3622	15·2255
8183	L	1616	7·3	19·6174	18·3439
8184	L	1618	8·8	19·7420	18·4841
8127	L	1621	9·0	20·7153	15·2298
8247	L	1622	9·0	20·9656	23·9960
8168	L	1625	8·8	22·1654	17·4404
8142	L	1629	8·5	24·0128	15·3134

R.A. 4^h 16^m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
8336	C	2036	9·5	0·5964	4·4063
8306	C	2053	8·2	11·6807	0·4530
8330	C	2057	8·8	13·0821	3·2551
8332	C	2070	9·0	18·7592	3·4394
8333	C	2072	9·1	20·3716	3·4026
8415	L	1629	8·5	0·9133	15·3241
8472	L	1634	8·5	3·6593	21·7175
8433	L	1638	8·8	5·3259	17·0934
8367	L	1641	7·8	5·7604	8·7142
8448	L	1644	9·1	6·4707	18·0834
8388	L	1646	8·7	7·2349	11·8794
8475	L	1647	6·3	7·3819	21·5554
8369	L	1650	8·3	7·4216	8·7477
8450	L	1649	9·0	7·4536	18·7229
8507	L	1648	8·5	7·4922	25·4251
8405	L	1653	8·2	9·2544	13·0722
8378	L	1656	8·5	9·9194	9·5183
8438	L	1658	8·0	11·0872	17·5247
8502	L	1659	8·5	11·7114	24·8171
8494	L	1661	8·8	13·0425	23·0457
8503	L	1665	8·8	14·9968	24·5308
8430	L	1669	9·1	16·8858	16·9671
8468	L	1670	9·0	17·3371	20·4704
8506	L	1681	8·3	21·1885	24·1598
8420	L	1683	5·0	22·5830	15·6098
8479	L	1684	8·3	22·9656	21·8201
8486	L	1685	9·0	23·9043	22·9606

R.A. 4^h 25^m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
8604	C	2081	8·9	3·8894	1·1996
8612	C	2085	6·0	6·6467	2·6903

R.A. 4^h 25^m *(continued)*

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
8613	C	2086	8·5	6·6790	2·7288
8627	C	2092	9·0	9·9223	4·8023
8620	C	2095	9·5	10·7731	3·0174
8622	C	2096	9·2	12·3442	3·8324
8623	C	2097	9·5	13·6280	3·9810
8628	C	2101	9·5	15·2713	4·5955
8629	C	2103	9·3	15·9379	4·6089
8609	C	2110	9·2	19·2398	1·0361
8778	L	1685	9·0	0·9593	22·9723
8738	L	1701	8·6	10·7267	17·4664
8646	L	1705	9·1	11·4062	6·5678
8707	L	1707	8·9	13·0522	13·7543
8730	L	1708	9·0	15·1124	16·7497
8721	L	1712	8·2	16·3619	15·2996
8754	L	1715	8·5	16·8124	19·8700
8746	L	1718	8·3	18·7912	18·3917
8681	L	1720	9·3	19·2990	9·4950
8795	L	1723	8·5	19·4967	24·2079
8796	L	1724	8·5	19·5575	25·0084
8704	L	1725	8·3	19·8147	12·9283
8653	L	1727	8·9	21·9695	6·0868
8654	L	1728	9·1	22·5198	6·0864

R.A. 4^h 34^m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
8911	C	2122	7·7	4·9724	3·4205
8912	C	2125	8·4	6·3174	3·4799
8918	C	2126	8·7	6·6965	4·9045
8906	C	2137	7·2	14·1439	2·1629
8943	C	2151	9·2	23·0222	6·4427
8924	C	2152	9·1	23·2969	4·9926
8956	L	1734	8·8	2·9561	9·4863
8978	L	1738	8·8	6·3318	13·7972
9018	L	1741	9·2	6·9219	22·8196
9019	L	1742	7·0	7·4924	22·5853
9011	L	1744	7·8	10·0140	19·5168
9020	L	1746	9·0	11·6672	22·9186

R.A. 4^h 43^m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
9106	C	2156	8·5	2·9729	2·2006
9127	C	2161	9·3	5·9115	3·6810
9131	C	2198	9·4	21·4775	3·6658
9114	C	2207	9·5	24·7669	2·2336
9176	L	1770	9·4	5·3726	11·9939
9165	L	1771	9·1	6·2809	9·7135
9143	L	1772	9·0	6·4228	5·8960
9213	L	1774	9·0	7·1479	17·9053
9174	L	1777	8·5	12·0091	10·4887
9199	L	1779	5·3	12·4957	16·1738
9214	L	1782	7·8	16·5408	17·7302
9175	L	1786	8·7	17·6748	11·2698
9181	L	1790	6·8	20·1439	12·9992
9256	L	1791	7·0	20·7078	22·8373
9159	L	1793	9·0	22·3332	8·9882
9281	L	1794	8·5	25·0041	25·6194

R.A. 4^h 52^m

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
9324	C 2207	9·5	1·4026	2·2320
9340	C 2217	9·4	4·5169	3·2049
9341	C 2218	9·4	4·9909	3·5945
9343	C 2224	7·0	6·3544	3·1463
9318	C 2230	9·2	10·6411	1·2065
9304	C 2233	7·7	12·1214	0·6398
9329	C 2236	9·1	12·8542	2·5485
9539	L 1794	8·5	2·1127	25·6077
9482	L 1799	9·4	5·3673	18·4803
9531	L 1797	7·2	5·3932	24·9446
9364	L 1800	6·8	6·2397	5·7089
9365	L 1802	8·8	6·8201	5·9020
9541	L 1803	9·3	8·3079	25·5344
9430	L 1807	9·0	9·5193	12·2280
9527	L 1808	9·3	9·6340	23·1580
9317	L 1809	9·3	10·0830	1·7969
9378	L 1816	8·1	12·3645	6·7860
9390	L 1818	9·0	13·4388	7·5153
9420	L 1823	8·5	15·4057	11·3465
9421	L 1824	8·0	15·5045	11·8724
9485	L 1825	8·0	15·9838	18·2147
9451	L 1826	8·3	16·1404	14·4883
9504	L 1830	7·0	21·4778	20·6055
9489	L 1832	8·9	21·6953	18·8859
9442	L 1833	9·0	21·8137	13·2686
9455	L 1834	8·5	22·8175	14·4542
9456	L 1835	9·4	23·2320	14·9792
9396	L 1836	9·0	25·2116	7·3970

R.A. 5^h 1^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
9745	C 2273	6·5	4·8519	5·2703
9718	C 2276	8·8	5·6658	4·1826
9655	C 2289	9·2	9·7538	2·8914
9603	C 2294	8·5	12·0548	0·2021
9632	C 2300	8·9	14·2973	1·5013
9670	C 2314	9·4	19·4324	3·0064
9671	C 2318	9·4	19·8613	2·9323
9676	C 2329	9·5	22·4800	2·1652
9712	C 2331	8·6	22·6042	3·1520
9716	C 2340	9·1	24·5161	3·5231
9681	C 2342	8·7	26·1335	2·2262
9791	L 1836	9·0	1·9517	7·3855
9792	L 1838	8·5	3·4710	7·0006
10002	L 1842	9·0	4·5282	17·5156
9684	L 1847	8·5	5·7149	3·8909
10167	L 1848	8·8	5·9742	25·6808
9869	L 1849	9·0	6·5411	10·1247
9796	L 1854	9·2	8·6259	7·3923
9824	L 1863	9·0	13·0907	8·8487
9918	L 1862	8·9	13·0960	12·8257
9825	L 1866	9·0	13·2104	8·2492
9770	L 1868	9·0	13·5153	6·8899
9935	L 1870	8·5	15·2792	13·4405
9730	L 1871	8·8	15·7730	4·8082
10049	L 1878	8·5	17·8365	19·7826
9776	L 1881	9·1	18·3421	6·1203
9809	L 1884	9·3	19·2069	7·8537
10124	L 1885	7·8	19·6688	22·6675
9777	L 1886	7·8	20·3341	6·4391
9851	L 1888	7·0	21·1852	9·0801

R.A. 5^h 1^m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
10056	L 1889	9·2	21·3761	19·0855
10139	L 1891	7·9	21·9884	23·9847
10140	L 1892	8·9	22·1451	23·3985
9855	L 1894	7·0	23·4471	9·2131
10060	L 1895	9·0	23·8354	19·3065

R.A. 5^h 10^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
10279	C 2340	9·1	1·1779	3·5260
10249	C 2342	8·7	2·7686	2·1979
10251	C 2343	8·9	2·9287	2·8392
10206	C 2357	9·0	6·9319	0·4172
10208	C 2361	8·5	8·2486	0·9812
10284	C 2366	8·9	10·3368	3·7103
10231	C 2371	9·1	12·3319	1·9382
10267	C 2398	9·2	18·4864	2·8146
10298	C 2405	9·2	20·8472	3·7009
10433	L 1894	7·0	0·2250	9·2364
10683	L 1895	9·0	0·8166	19·3205
10305	L 1903	9·0	3·1788	4·8278
10478	L 1904	9·0	3·7194	11·7106
10416	L 1909	9·2	4·1218	8·4178
10836	L 1912	8·4	4·8143	24·6049
10481	L 1914	8·6	5·2556	11·1823
10625	L 1915	8·5	5·5269	17·1308
10657	L 1917	8·7	6·5650	18·4548
10420	L 1918	9·1	6·7910	8·8204
10808	L 1921	9·0	7·2960	23·2790
10306	L 1923	7·5	7·4222	4·3955
10692	L 1925	8·5	8·0690	20·0268
10608	L 1927	6·8	8·4138	16·4463
10387	L 1928	7·9	8·4233	7·6721
10507	L 1929	8·0	9·2310	12·2235
10725	L 1930	8·2	9·3467	20·4533
10368	L 1932	8·8	9·7334	6·3822
10755	L 1936	8·7	10·4926	21·2368
10342	L 1939	8·0	11·6840	5·6017
10760	L 1940	8·3	12·1041	21·3957
10762	L 1947	9·2	13·7217	21·6689
10312	L 1949	9·0	13·9889	4·2122
10631	L 1951	8·2	14·4045	18·1509
10845	L 1953	8·8	14·7874	24·8128
10558	L 1954	9·1	15·0824	14·9265
10765	L 1958	8·0	15·6632	21·5723
10486	L 1960	9·3	16·2757	11·5016
10471	L 1968	8·8	17·8969	10·9236
10738	L 1970	8·6	18·0111	20·2985
10638	L 1971	9·1	18·1254	17·3237
10319	L 1973	8·7	18·3858	4·2568
10296	L 1979	9·1	19·5660	4·1429
10491	L 1985	8·8	20·5246	11·8258
10355	L 1991	9·0	22·3310	5·9080
10643	L 1993	9·0	22·8121	17·5682
10710	L 1995	9·0	23·4284	19·6151
10498	L 1999	8·8	24·4032	12·2540

R.A. 5^h 19^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
10959	C 2433	9·4	7·1586	2·5442
10964	C 2437	9·0	8·9930	2·7093

R.A. 5^h 19^m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
10965	C 2440	9·0	10·6071	2·1765
10937	C 2445	8·5	12·7836	1·8998
11008	C 2449	9·5	14·1330	3·5466
10976	C 2450	9·0	15·0732	2·8631
11073	C 2455	7·0	16·5723	5·5254
11014	C 2457	9·0	16·9362	3·4413
10980	C 2462	6·2	17·5079	2·4670
10981	C 2463	9·1	17·5871	2·7674
10990	C 2480	9·5	26·0338	2·0421
11444	L 1995	9·0	0·4159	19·6373
11266	L 1999	8·8	1·2416	12·2575
11364	L 2012	7·5	4·5332	16·2967
11300	L 2015	9·0	6·8839	13·8004
11301	L 2016	8·5	6·9577	13·7557
11514	L 2017	8·7	7·0695	21·0494
11279	L 2025	9·5	10·8274	12·9050
11099	L 2026	8·5	10·8458	6·9341
11330	L 2027	6·6	10·9350	14·5738
11302	L 2028	6·4	10·9379	13·6035
11193	L 2040	9·2	13·3559	9·5324
11166	L 2041	9·0	13·4591	8·2990
11167	L 2042	9·0	13·5448	8·1583
11249	L 2043	8·7	13·6605	11·4102
11604	L 2044	9·0	13·9036	24·5701
11044	L 2045	8·5	13·9281	4·0892
11605	L 2049	9·1	14·8107	24·3372
11012	L 2052	8·5	15·3408	3·9834
11307	L 2060	8·9	16·6186	13·9434
11521	L 2064	9·0	17·2732	21·1562
11609	L 2067	9·0	17·9067	25·0219
11226	L 2068	9·0	17·9564	10·0922
11254	L 2069	8·8	18·0243	11·7607
11373	L 2071	8·3	18·1719	16·7686
11227	L 2073	8·6	18·4101	10·6343
11611	L 2079	8·8	18·7679	24·5643
11139	L 2086	8·3	20·1458	7·7395
11287	L 2087	9·3	20·4354	12·6163
11290	L 2094	9·2	22·3804	12·7738
11416	L 2097	8·6	23·1122	17·1960
11175	L 2103	9·4	23·5864	9·0325
11204	L 2105	9·1	23·7568	9·0841
11145	L 2107	8·5	24·2439	7·2679
11080	L 2110	8·7	25·2144	5·5408
11531	L 2112	7·7	25·4234	21·7539
11651	L 2113	8·9	25·5193	25·1179

R.A. 5^h 28^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
11716	C 2480	9·5	2·6652	2·0156
11735	C 2484	9·3	4·7590	2·2300
11740	C 2525	9·5	14·9204	2·9486
11762	C 2529	9·5	15·5084	3·1543
11748	C 2560	8·9	24·2581	3·0303
11751	C 2568	8·1	25·5878	2·1754
11859	L 2103	9·4	0·3599	9·0532
11860	L 2105	9·1	0·5312	9·1013
11841	L 2107	8·5	0·9815	7·2756
11797	L 2110	8·7	1·9169	5·5296
12208	L 2112	7·7	2·4536	21·7346
12293	L 2113	8·9	2·6176	25·0957
12030	L 2114	7·8	2·7802	15·4837

R.A. 5^h 28^m (*continued*)

Oxford	Cambridge or Leiden	Mag.	ξ' (1900·0)	η' (1900·0)
12109	L 2115	7·1	3·0835	18·2326
12058	L 2116	8·9	3·6180	16·2869
11969	L 2117	8·6	3·6264	12·5543
12114	L 2121	8·3	5·5478	18·2295
11994	L 2123	9·0	6·0741	13·4793
11936	L 2124	8·9	6·4482	11·2356
12301	L 2130	7·6	8·5829	24·5250
12243	L 2133	7·0	9·1857	22·5999
11829	L 2141	9·1	11·3840	6·7199
12019	L 2144	9·0	12·1519	14·2630
11848	L 2145	8·7	13·2975	7·5692
11979	L 2147	9·3	13·5856	12·5745
12162	L 2148	9·0	14·0152	19·8094
11943	L 2150	9·0	14·1636	12·1182
11945	L 2155	8·0	14·7134	11·3430
11849	L 2158	8·2	15·4815	7·4515
12001	L 2162	9·2	17·1039	14·0424
12316	L 2172	7·7	17·8759	24·2916
11852	L 2174	8·2	18·1919	7·3202
12071	L 2181	7·8	20·4146	16·2681
11982	L 2182	9·2	20·8028	12·5032
12229	L 2183	8·9	20·7729	21·6235
12021	L 2187	9·4	22·1835	14·9251
11958	L 2192	8·7	23·5276	11·8288
11838	L 2196	6·0	23·9036	6·2483
12078	L 2198	8·8	24·4916	16·8949
11990	L 2202	9·2	25·5794	12·9347
11928	L 2203	7·5	25·7986	11·0664

R.A. 5^h 37^m

Oxford	Cambridge or Leiden	Mag.	ξ' (1900·0)	η' (1900·0)
12516	C 2560	8·9	0·9100	3·0395
12474	C 2568	8·1	2·2221	2·1577
12432	C 2574	8·2	4·0143	1·3920
12440	C 2614	9·5	10·3370	1·7230
12410	C 2645	7·8	15·3332	0·6745
12501	C 2666	8·5	18·7028	2·5136
12550	C 2700	9·1	24·8801	3·6794
12472	C 2704	9·2	26·1465	1·5376
12839	L 2192	8·7	0·3576	11·8503
12635	L 2196	6·0	0·6207	6·2627
13023	L 2198	8·8	1·4238	16·8957
12877	L 2202	9·2	2·4314	12·9145
12842	L 2203	7·5	2·6125	11·0420
12987	L 2206	8·1	3·7021	15·0600
13331	L 2209	8·0	4·2332	23·1537
13027	L 2212	8·9	4·6015	16·8046
13031	L 2216	6·4	5·6371	16·6679
13443	L 2217	8·6	5·7752	25·6445
13336	L 2218	6·6	5·8649	23·4149
13271	L 2219	8·9	6·0129	22·9467
13125	L 2225	9·5	7·3835	17·9939
12953	L 2226	8·1	7·5354	14·6163
13279	L 2231	8·9	9·7051	22·8907
12676	L 2233	9·4	10·2252	7·7929
12851	L 2240	8·2	11·9570	11·2498
13002	L 2244	9·0	12·6711	15·3644
12774	L 2245	9·0	12·8689	9·4147
12963	L 2246	9·2	13·6054	14·0669
12855	L 2248	8·1	14·6378	11·6509
13405	L 2251	7·9	14·7756	24·5085

R.A. 5^h 37^m (*continued*)

Oxford	Cambridge or Leiden	Mag.	ξ' (1900·0)	η' (1900·0)
12651	L 2254	7·5	15·7805	6·3168
13045	L 2255	8·2	16·1491	16·1333
12683	L 2259	7·9	16·3577	7·9588
13051	L 2264	9·0	17·5716	16·1420
13009	L 2266	8·8	18·1430	15·0357
13052	L 2267	6·7	18·1795	16·4022
12784	L 2269	9·0	18·9383	9·8342
12820	L 2270	9·1	19·1672	10·3591
13104	L 2271	8·8	19·9846	17·1836
12788	L 2274	9·2	20·8366	9·8727
13424	L 2277	8·6	21·8477	24·1712
13225	L 2279	7·5	22·5696	20·5159
13146	L 2281	9·1	23·0517	18·1973
13111	L 2284	9·2	23·7189	17·2263
13428	L 2286	8·7	23·7550	24·4923
12759	L 2291	8·5	25·1363	8·1983
12706	L 2292	7·3	25·3005	7·0598
13022	L 2294	8·7	25·7523	15·1600

R.A. 5^h 46^m

Oxford	Cambridge or Leiden	Mag.	ξ' (1900·0)	η' (1900·0)
13581	C 2700	9·1	1·5451	3·6753
13527	C 2704	9·2	2·7677	1·5090
13530	C 2712	8·6	4·7279	1·8141
13561	C 2715	9·4	5·7807	2·5185
13672	C 2719	9·0	6·6166	5·2137
13538	C 2743	9·4	12·7324	1·3473
13513	C 2758	9·1	15·6228	0·7849
13574	C 2761	9·3	16·3977	2·0973
13517	C 2781	7·1	20·7186	0·3662
13518	C 2787	8·6	21·4421	0·2901
14054	L 2284	9·2	0·6581	17·2428
14354	L 2286	8·7	0·8411	24·5071
13747	L 2291	8·5	1·8926	8·1880
13719	L 2292	7·3	2·0337	7·0466
13984	L 2294	8·7	2·6491	15·1355
13920	L 2296	9·1	3·5938	13·9129
14151	L 2298	8·7	3·9837	19·0111
13793	L 2300	8·5	4·0816	9·1538
14278	L 2301	9·2	4·4439	22·6483
14281	L 2306	7·0	6·4272	22·0661
13724	L 2309	8·7	6·7237	7·3607
13926	L 2314	8·0	7·9081	13·4247
13796	L 2317	9·0	9·0009	9·3322
14197	L 2318	8·3	9·2539	20·0852
14042	L 2321	9·0	10·2940	16·8106
13759	L 2323	9·0	10·5720	8·0611
13727	L 2324	8·8	10·6627	7·1804
13895	L 2327	7·4	11·1202	12·1583
13799	L 2328	8·2	11·1956	9·6831
14122	L 2336	8·7	13·2705	18·1248
14124	L 2340	9·1	15·2208	18·5641
13704	L 2342	8·0	15·3505	6·1560
13770	L 2345	9·2	16·7433	8·7733
13711	L 2348	7·8	17·7448	6·6741
13773	L 2349	9·0	17·8802	8·5209
13970	L 2352	9·0	18·4678	14·7497
14008	L 2353	9·0	18·5186	15·4768
14265	L 2356	6·2	19·3672	21·2707
13652	L 2355	8·9	19·3941	4·8360
13848	L 2357	9·0	19·7329	10·4376

R.A. 5^h 46^m (*continued*)

Oxford	Cambridge or Leiden	Mag.	ξ' (1900·0)	η' (1900·0)
13814	L 2359	8·3	21·1718	9·3428
13715	L 2364	9·0	22·1399	6·4588
14408	L 2367	8·9	23·3258	25·8583
14409	L 2369	9·4	24·1603	25·3177
13779	L 2370	7·8	24·7880	8·2024
14019	L 2375	8·9	25·5330	15·8009

R.A. 5^h 55^m

Oxford	Cambridge or Leiden	Mag.	ξ' (1900·0)	η' (1900·0)
14585	C 2824	8·8	5·6628	3·3744
14526	C 2828	9·5	6·4935	1·7400
14505	C 2830	6·8	6·5621	0·7057
14530	C 2839	8·5	8·3343	0·9682
14587	C 2840	9·1	9·1125	3·1415
14534	C 2849	9·3	10·9493	1·9334
14537	C 2858	9·5	12·8147	1·1717
14593	C 2866	9·2	14·1393	3·6720
14566	C 2868	9·1	14·4301	2·6248
14515	C 2873	9·1	14·9502	0·9477
14569	C 2881	9·2	16·3379	2·5970
14632	C 2921	8·7	22·6863	4·2376
14550	C 2937	9·0	25·4621	1·9026
15110	L 2367	8·9	0·4395	25·8817
15111	L 2369	9·4	1·2630	25·3240
14696	L 2370	7·8	1·5444	8·1989
14882	L 2375	8·9	2·4429	15·7809
15003	L 2378	9·3	4·3354	20·2932
14838	L 2382	9·0	6·8013	13·2597
14840	L 2385	8·0	7·6620	13·7527
15092	L 2391	6·8	9·9886	24·2126
14946	L 2392	9·0	10·0610	18·2061
15096	L 2394	7·7	11·3962	24·4810
14844	L 2396	6·5	12·2507	13·3550
14779	L 2397	8·9	12·3191	11·0129
14977	L 2398	7·8	12·3778	19·4431
14682	L 2401	9·0	12·6236	7·1739
14904	L 2404	8·0	13·9290	16·8917
14812	L 2410	9·3	15·7143	12·0659
14644	L 2415	9·0	16·7055	5·1705
14847	L 2416	8·8	17·2274	13·6335
14929	L 2417	7·4	17·8386	17·6871
14931	L 2422	9·0	19·1965	16·9764
15013	L 2424	8·7	19·4704	20·6272
14853	L 2427	8·7	21·1132	13·6631
14603	L 2428	8·2	21·1687	3·8845
15021	L 2434	8·8	24·1739	20·9170
15108	L 2437	7·9	24·3570	24·5585
15129	L 2439	7·0	25·0856	25·1219
14967	L 2441	8·0	25·5070	18·1229
14764	L 2442	8·4	25·5817	10·4986
14792	L 2443	9·1	25·5824	11·5294

R.A. 6^h 4^m

Oxford	Cambridge or Leiden	Mag.	ξ' (1900·0)	η' (1900·0)
15215	C 2937	9·0	2·0909	1·8873
15237	C 2961	9·5	6·2369	2·4341
15218	C 2969	9·5	7·1778	1·2984
15220	C 2988	8·9	9·9093	1·5323
15226	C 3004	8·4	12·4330	1·5494

R.A. 6h 4m (*continued*)

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
15210	C	3016	9·2	15·1229	0·0426
15211	C	3035	9·0	17·2599	0·3881
15213	C	3040	9·1	18·5674	0·0944
15516	L	2434	8·8	1·1875	20·9238
15580	L	2437	7·9	1·4444	24·5604
15599	L	2439	7·0	2·1842	25·1085
15361	L	2442	8·4	2·3844	10·4788
15380	L	2443	9·1	2·4059	11·5096
15483	L	2441	8·0	2·4639	18·1028
15581	L	2444	8·6	3·0804	24·7633
15346	L	2448	9·1	5·9698	9·3919
15265	L	2452	8·3	7·4691	4·1804
15328	L	2453	8·6	7·5129	8·1035
15444	L	2455	8·0	7·6924	15·6017
15329	L	2456	8·0	8·0181	8·0588
15456	L	2460	7·2	9·5075	16·3597
15313	L	2461	8·5	9·6565	7·3687
15554	L	2462	8·7	9·7666	21·9939
15414	L	2473	9·2	12·2573	13·0846
15320	L	2475	7·8	12·4786	7·8203
15300	L	2476	8·0	12·6112	6·3276
15272	L	2480	8·2	13·0319	4·8457
15605	L	2482	7·4	13·3556	25·8073
15592	L	2483	7·5	13·3784	24·7441
15399	L	2486	8·1	13·5033	12·7058
15470	L	2487	8·8	13·5735	17·1603
15352	L	2491	8·0	15·2783	9·3238
15353	L	2492	8·3	15·3386	9·5315
15447	L	2494	7·9	16·1762	15·3291
15494	L	2499	8·8	17·5934	18·3745
15495	L	2500	9·0	17·9766	18·2428
15294	L	2501	8·8	18·3281	5·0733
15322	L	2503	8·3	18·3745	7·5996
15372	L	2505	7·7	18·5424	10·6470
15433	L	2506	9·0	19·3220	14·6731
15546	L	2507	9·1	19·3860	21·0325
15497	L	2509	9·0	20·7254	18·2763
15377	L	2513	8·8	23·4199	10·7817
15421	L	2514	9·1	23·6075	13·8972
15549	L	2517	8·6	24·0425	21·4580
15405	L	2518	8·6	24·2160	12·7951
15514	L	2521	8·0	25·2089	19·0959

R.A. 6h 13m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
15718	C	3069	9·2	3·0909	1·8250
15719	C	3074	9·1	4·3596	1·1292
15736	C	3078	7·0	5·0358	2·6470
15720	C	3089	8·0	6·4958	1·4580
15708	C	3116	8·9	12·5685	0·5710
15730	C	3162	7·0	19·9191	1·1400
15713	C	3174	8·7	21·8536	0·7795
15731	C	3185	8·9	23·4212	1·7402
15847	L	2513	8·8	0·2288	10·8053
15897	L	2514	9·1	0·4793	13·9167
15884	L	2518	8·6	1·0654	12·8024
16017	L	2517	8·6	1·0672	21·4671
15990	L	2521	8·0	2·1855	19·0816
16039	L	2524	8·5	3·4003	23·4445
15849	L	2526	8·5	3·6886	10·8212
16004	L	2529	9·5	3·9583	20·1191

R.A. 6h 13m (*continued*)

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
15807	L	2530	8·7	4·0102	7·5714
15962	L	2533	8·8	4·5117	17·6544
16006	L	2536	7·8	5·5638	20·0226
15930	L	2537	8·8	5·5947	15·2574
15964	L	2540	9·0	6·0165	17·7757
15888	L	2543	8·8	7·4369	12·9208
15840	L	2548	9·2	9·4998	9·2135
15764	L	2550	8·7	10·3373	4·4916
15918	L	2551	8·6	10·5511	14·7996
15971	L	2557	8·8	11·9036	17·8253
15778	L	2563	7·8	15·1267	5·9529
15937	L	2562	8·9	15·1316	15·6063
16022	L	2564	7·7	16·4883	21·2128
15976	L	2565	8·8	16·8875	17·4748
15939	L	2568	8·9	18·2836	15·4293
15800	L	2569	8·1	18·7754	6·2412
16055	L	2570	8·5	18·9383	24·9096
15906	L	2571	8·8	19·0231	13·7408
15892	L	2577	7·8	20·7659	12·9440
15818	L	2578	8·8	21·0156	7·6834
16036	L	2584	8·5	24·0106	22·9072
15822	L	2587	8·2	25·3907	7·1641

R.A. 6h 22m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
...	C	3185	8·9	0·0470	1·7649
16129	C	3200	8·6	3·6514	2·1378
16118	C	3222	9·4	7·8372	1·4068
16136	C	3249	9·2	12·5333	2·4113
16443	L	2584	8·5	1·0646	22·9169
16221	L	2587	8·2	2·1261	7·1492
16454 } 16455 }	L	2590	9·0	3·7625	23·6305
16238	L	2593	8·7	4·0713	8·6745
16319	L	2595	9·2	4·9696	14·2846
16473	L	2597	8·9	6·0139	24·6255
16181	L	2600	8·5	6·7154	5·2898
16117	L	2603	9·2	7·7646	1·0438
16324	L	2605	8·8	9·2468	14·4109
16263	L	2611	7·1	11·0258	9·4617
16185	L	2617	9·3	11·9356	5·3355
16211	L	2620	8·5	12·3338	6·7663
16353	L	2623	9·0	12·8116	16·9250
16228	L	2627	6·0	13·3664	7·6610
16187	L	2628	8·5	13·8159	5·1773
16420	L	2634	9·2	15·4559	20·0687
16421	L	2635	9·2	15·6140	20·7750
16466	L	2641	8·8	17·4756	23·3631
16405	L	2642	8·5	17·5958	19·4854
16231	L	2643	8·4	17·8152	7·1711
16484	L	2645	8·1	18·4298	24·2864
16278	L	2647	8·9	18·7108	10·3798
16332	L	2652	9·0	19·7244	14·5822
16425	L	2656	8·7	20·6192	20·9497
16360	L	2660	8·8	21·3955	16·6228
16234	L	2663	8·8	22·0001	7·6233
16333	L	2665	9·1	22·3984	14·7091
16376	L	2673	9·0	23·4902	17·8003
16396	L	2677	9·1	24·8333	18·1426
16197	L	2678	8·0	25·0664	5·8367

R.A. 6h 31m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
16540	C	3336	9·1	6·0852	1·4983
16510	C	3364	9·0	12·8926	0·4189
16511	C	3369	9·0	13·4447	0·9112
16513	C	3374	9·5	14·1212	1·0676
16575	C	3388	9·1	17·5124	2·1964
16620	C	3407	8·2	20·3642	4·1523
16581	C	3430	9·2	24·2706	2·3202
16887	L	2673	9·0	0·4411	17·8214
16625	L	2678	8·0	1·7748	5·8284
16915	L	2677	9·1	1·7907	18·1362
16839	L	2690	9·0	4·4103	15·9799
16789	L	2691	8·9	4·4818	13·8708
16817	L	2693	9·0	4·9685	14·1186
16790	L	2696	8·4	5·5059	13·3949
16603	L	2698	9·0	6·2839	5·0676
16972	L	2700	9·0	6·6145	20·2855
16941	L	2701	7·0	6·7655	19·1621
16919	L	2704	8·6	7·4941	18·7196
17054	L	2705	8·6	7·6923	23·8990
16642	L	2709	8·7	8·2326	6·9408
16944	L	2713	6·5	9·2076	19·7214
17056	L	2714	8·9	9·4560	23·5465
16710	L	2715	9·0	9·4760	9·4506
16592	L	2718	8·4	10·3236	3·2367
16924	L	2721	7·8	10·6857	18·2771
16771	L	2723	8·1	11·6804	13·0114
16711	L	2724	9·0	11·7061	9·9287
17028	L	2727	7·8	12·6617	22·5260
17059	L	2732	9·2	14·0625	23·4315
16772	L	2733	9·3	14·3158	12·5360
16773	L	2735	7·0	14·6484	12·6922
16714	L	2737	8·8	15·2053	9·5233
16880	L	2739	8·1	15·3544	16·6375
16898	L	2741	8·8	15·5752	18·0087
16753	L	2742	9·0	15·9039	11·3550
16951	L	2743	8·7	15·9692	19·7373
17066	L	2749	7·1	17·1167	23·2402
17008	L	2750	8·3	17·5293	21·1648
16637	L	2754	8·0	18·5789	5·7172
16857	L	2761	7·7	21·2801	15·5166
16621	L	2763	8·0	21·9965	4·6677
16933	L	2764	8·0	22·2220	18·3619
16738	L	2773	8·0	24·2487	10·3827
16961	L	2774	8·1	24·9590	19·6565

R.A. 6h 40m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
17226	C	3430	9·2	0·9081	2·3281
17227	C	3447	8·6	3·9825	2·0281
17245	C	3467	9·0	9·4759	3·3616
17210	C	3482	8·1	13·4693	0·3367
17253	C	3494	7·8	16·5189	3·6790
17239	C	3505	9·4	18·9366	2·2987
17255	C	3507	8·7	20·0423	3·8897
17214	C	3529	9·5	24·5654	0·2949
...	C	3537	7·9	25·7490	0·7054
17381	L	2773	8·0	1·0493	10·3897
17543	L	2774	8·1	1·9471	19·6471
17621	L	2776	8·2	2·9907	23·9141
17301	L	2782	8·2	3·8031	6·7730
17302	L	2784	8·8	4·4804	6·5641

R.A. 6h 40m (continued)

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
17442	L	2786	8·6	5·4356	13·7372
17526	L	2787	7·8	5·5293	18·6813
17547	L	2788	7·8	5·8580	19·5990
17406	L	2789	9·0	6·1656	11·5739
17423	L	2793	8·9	6·9700	12·3306
17342	L	2794	8·6	7·6939	8·3252
17528	L	2795	9·0	8·0670	18·4542
17661	L	2796	8·0	8·2085	25·8926
17344	L	2797	8·2	8·2560	8·0378
17424	L	2799	7·0	9·7519	12·1392
17365	L	2800	8·9	9·7818	9·6393
17506	L	2801	8·3	10·0697	17·3028
17269	L	2803	8·9	10·7237	4·4480
17323	L	2805	9·0	11·4843	7·6225
17645	L	2807	8·6	11·7389	24·3037
17534	L	2810	9·1	12·3259	18·8177
17509	L	2811	8·9	12·7439	17·3921
17511	L	2814	8·8	13·7460	17·7904
17428	L	2815	9·0	14·3373	12·4624
17371	L	2818	8·2	15·8307	9·7302
17616	L	2819	7·3	16·2796	22·7452
17460	L	2821	7·8	16·8548	14·8662
17650	L	2823	8·7	17·4101	25·0214
17516	L	2827	8·5	17·8382	17·2730
17518	L	2829	8·5	18·6567	17·5452
17580	L	2836	7·5	21·9752	20·8728
17656	L	2839	8·7	23·5355	24·2701
17562	L	2840	8·3	23·6728	19·1882
17317	L	2842	9·4	24·1252	6·3946
17675	L	2843	9·1	24·2408	25·4887
17676	L	2844	9·1	25·2055	25·6554

R.A. 6h 49m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
17701	C	3529	9·5	1·1617	0·2974
17702	C	3537	7·9	2·3535	0·6848
17707	C	3580	7·8	11·4774	0·4205
18131	L	2839	8·7	0·6171	24·2892
18039	L	2840	8·3	0·6516	19·2056
17818	L	2842	9·4	0·8451	6·4048
18148	L	2843	9·1	1·3470	25·4931
18149	L	2844	9·1	2·3147	25·6395
17806	L	2856	8·8	6·5837	5·5149
18066	L	2857	8·8	6·9329	20·0083
17851	L	2859	8·3	7·9785	8·3654
17974	L	2861	7·8	9·1886	15·9421
18070	L	2865	8·5	9·9098	20·5335
18049	L	2870	8·8	11·6966	19·2659
17935	L	2871	8·5	12·5816	13·6821
18123	L	2872	8·6	12·6629	23·5226
17999	L	2873	8·6	12·9244	16·1587
17792	L	2875	8·1	13·1342	4·5597
18111	L	2876	8·8	13·7589	22·0561
17884	L	2878	8·6	14·3882	10·8385
18150	L	2880	8·7	14·7251	25·2992
17853	L	2881	9·0	14·8212	8·8340
17868	L	2882	8·9	14·8746	9·2896
18051	L	2887	8·3	16·3130	19·1798
17757	L	2890	8·3	17·2246	2·9195
17870	L	2892	8·1	17·9133	9·8100
17827	L	2893	8·9	18·2914	7·0328

R.A. 6h 49m (continued)

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
17900	L	2894	8·5	18·5687	11·7599
18018	L	2895	8·5	18·5852	17·1679
18142	L	2896	9·1	18·5975	24·7821
17856	L	2897	9·0	18·7501	8·6231
18056	L	2901	8·5	19·9512	19·7794
17833	L	2905	9·1	21·3699	6·2864
18036	L	2906	9·2	22·6257	18·3986
17816	L	2910	9·1	23·8613	5·8032
18117	L	2911	9·3	24·0475	22·8732
17837	L	2914	7·5	25·3775	6·1540

R.A. 6h 58m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
18217	C	3667	8·2	4·2722	2·1189
18220	C	3672	9·4	5·1641	2·2429
18208	C	3691	8·7	8·0301	1·3382
18252	C	3757	9·1	24·6530	3·0569
18267	L	2910	9·1	0·5693	5·8185
18433	L	2911	9·3	1·1007	22·8819
18279	L	2914	7·5	2·0923	6·1396
18369	L	2916	9·4	2·8956	15·7676
18462	L	2917	9·2	3·5336	25·9811
18237	L	2921	9·0	4·0498	3·5652
18257	L	2923	9·0	4·1834	4·4768
18463	L	2928	8·3	6·7643	25·9801
18298	L	2931	8·8	6·8047	8·3297
18269	L	2932	9·0	7·0803	5·4216
18385	L	2934	8·0	7·5561	17·6082
18401	L	2936	7·8	8·4378	18·8061
18427	L	2937	8·0	8·7247	21·2853
18357	L	2938	8·8	9·2708	13·9094
18371	L	2943	9·1	10·7166	15·3996
18303	L	2947	8·5	11·2270	8·5753
18223	L	2948	8·8	11·2422	2·4508
18241	L	2950	9·0	11·5311	3·7451
18286	L	2955	8·9	14·1541	6·1940
18293	L	2958	7·3	14·5671	7·1329
18409	L	2961	8·6	15·6566	19·1140
18410	L	2962	6·7	16·4611	19·5283
18382	L	2965	9·0	17·5867	16·1003
18403	L	2966	9·2	17·6571	18·3284
18394	L	2976	8·7	21·3597	17·3778
18405	L	2984	8·7	23·1102	18·8617
18422	L	2985	9·0	23·5571	20·5365
18444	L	2988	9·1	24·1411	22·6487
18296	L	2992	7·8	25·3852	7·6405
18266	L	2994	7·5	25·8196	4·7578

R.A. 7h 7m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
18533	C	3757	9·1	1·3054	3·0573
18536	C	3778	8·8	4·5668	3·0412
18509	C	3782	9·0	6·5593	1·1988
18512	C	3823	9·5	13·8725	1·1161
18516	C	3841	8·8	17·4467	1·2622
18518	C	3858	8·9	21·3943	1·9066

R.A. 7h 7m (continued)

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
18720	L	2985	9·0	0·5631	20·5559
18761	L	2988	9·1	1·1898	22·6557
18575	L	2992	7·8	2·1301	7·6256
18549	L	2994	7·5	2·5152	4·7347
18577	L	3000	8·1	5·3206	7·2727
18560	L	3009	4·7	7·2459	5·9272
18590	L	3015	7·8	8·1144	8·6398
18600	L	3016	8·7	8·2594	9·7813
18711	L	3017	8·2	8·4125	19·5126
18729	L	3019	8·7	9·4443	20·8823
18578	L	3022	8·7	10·1944	7·8830
18650	L	3028	9·0	14·2736	13·5314
18734	L	3035	8·5	16·3598	20·0755
18735	L	3036	8·5	16·7302	20·8836
18545	L	3037	9·0	16·7514	2·9821
18515	L	3038	9·1	17·0216	1·5050
18797	L	3040	9·5	17·1085	25·7182
18581	L	3042	8·8	17·4394	7·4355
18715	L	3043	9·1	18·7066	19·5181
18651	L	3046	8·5	19·8336	13·2812
18633	L	3048	8·7	20·7498	11·5901
18596	L	3049	9·0	21·0330	8·2732
18718	L	3058	9·0	22·8806	19·0683
18783	L	3062	6·7	23·3918	23·5627
18585	L	3064	8·7	24·3998	7·7496
18608	L	3066	8·7	24·6475	9·0245
18665	L	3068	6·5	25·0130	14·6856

R.A. 7h 16m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
...	C	3902	7·3	9·0977	0·0362
18924	C	3923	8·3	12·3138	1·3059
18925	C	3928	7·6	13·6209	1·2009
18914	C	3957	9·0	23·1876	0·5927
19379	L	3062	6·7	0·4591	23·5841
19038	L	3064	8·7	1·1471	7·7540
19057	L	3066	8·7	1·4205	9·0239
19165	L	3068	6·5	1·9006	14·6763
19148	L	3070	8·5	2·8535	13·0936
19289	L	3076	8·2	7·4942	19·6280
19125	L	3077	9·0	7·9748	13·0218
19015	L	3078	9·2	8·4352	6·2240
19311	L	3080	9·0	8·7701	21·0357
19312	L	3081	8·7	8·7785	20·7596
19386	L	3082	8·8	9·1880	23·7844
19361	L	3086	8·8	10·0170	22·6019
19154	L	3089	8·8	11·1857	13·7261
19224	L	3091	8·4	11·5351	16·2649
19225	L	3092	9·4	11·6812	16·2670
19018	L	3096	8·1	12·5363	6·6206
19157	L	3099	8·0	12·7807	13·6890
19323	L	3113	8·8	17·2272	20·6168
19115	L	3116	9·1	18·2883	11·5384
19164	L	3117	8·7	18·8202	13·6209
19005	L	3119	9·3	19·2340	5·5485
18964	L	3132	8·8	23·3878	3·0513
19088	L	3133	8·6	23·4316	9·2652
19376	L	3134	7·5	23·8494	22·8820
19377	L	3135	9·0	24·2573	22·6727
19414	L	3136	8·8	24·5512	24·4607

R.A. 7^h 25^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
19518	C 3969	8.8	2.8278	1.9032
19510	C 3995	9.1	11.3312	1.4391
19508	C 4057	9.2	24.6082	0.7255
...	L 3132	8.8	0.0402	3.0768
19588	L 3133	8.6	0.2097	9.2888
19771	L 3134	7.5	0.9028	22.8948
19772	L 3135	9.0	1.3065	22.6770
19804	L 3136	8.8	1.6360	24.4588
19759	L 3138	8.9	4.4518	21.6110
19573	L 3140	8.7	4.5610	7.3836
19821	L 3143	8.7	5.8353	25.8276
19808	L 3150	4.8	7.0845	24.8038
19792	L 3151	9.0	7.3061	23.1641
19661	L 3154	8.8	7.4474	15.6220
19714	L 3159	9.0	10.5220	18.7336
19695	L 3160	8.0	10.5461	17.2348
19762	L 3161	8.7	10.7180	21.8408
19781	L 3163	9.0	11.3267	22.2015
19606	L 3165	8.4	11.8896	10.3902
19607	L 3166	8.5	12.1859	10.3000
19654	L 3169	8.8	14.7392	14.6866
19681	L 3171	8.3	15.2922	16.7667
19734	L 3174	8.5	16.8018	18.9616
19813	L 3180	8.7	18.4824	23.9340
19618	L 3181	7.5	18.6380	11.1120
19640	L 3182	7.8	18.6989	13.8902
19586	L 3184	9.0	20.1929	8.1865
19719	L 3186	8.5	20.6610	18.4028
19721	L 3189	9.0	21.2335	18.0484
19704	L 3191	9.0	21.5068	17.0090
19668	L 3193	6.5	22.7394	15.1808
19570	L 3194	8.5	23.5903	6.5063
19629	L 3196	8.6	24.7092	12.1950
19770	L 3197	8.2	24.6650	21.2308
19803	L 3200	8.5	25.7958	23.6992

R.A. 7^h 34^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
19901	C 4057	9.2	1.2133	0.7270
19908	C 4065	8.7	3.5314	1.0684
19912	C 4127	8.9	19.8517	1.8560
19956	L 3194	8.5	0.3126	6.5273
19997	L 3196	8.6	1.5464	12.1924
20096	L 3197	8.2	1.6849	21.2273
20113	L 3200	8.5	2.8654	23.6714
20051	L 3201	8.9	2.9746	17.0124
19923	L 3205	8.5	4.6396	3.8811
20114	L 3206	7.5	5.7018	23.0718
19964	L 3210	9.4	7.5450	7.8056
20000	L 3212	8.3	7.8128	12.0651
20080	L 3214	8.1	7.9811	19.6784
19924	L 3221	9.1	11.8375	3.4619
19918	L 3222	8.7	12.1661	2.5256
19925	L 3223	8.9	12.7596	3.0081
19948	L 3224	9.0	13.1001	5.2544
20120	L 3227	9.4	15.1929	23.9113
19989	L 3230	8.8	15.5437	10.4428
19951	L 3235	7.0	18.2310	5.8294
20069	L 3237	8.9	18.3541	18.3485
20070	L 3238	9.0	18.5539	18.6751
20034	L 3240	9.1	18.5981	15.4859
19991	L 3239	8.8	18.6023	10.5968

R.A. 7^h 34^m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
19982	L 3242	8.9	18.8148	9.9375
20071	L 3245	8.7	20.0900	18.7734
19970	L 3249	8.7	20.9444	7.3995
20061	L 3253	7.7	23.9994	17.2879

R.A. 7^h 43^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
...	C 4205	9.1	16.6626	0.0419
20217	C 4220	8.9	22.0972	0.8187
20610	L 3253	7.7	0.9397	17.2988
20744	L 3259	9.0	3.8999	22.8213
20821	L 3260	8.7	4.0597	25.8250
20808	L 3269	8.8	8.1680	24.8374
20317	L 3270	8.1	8.1697	5.1186
20548	L 3276	8.5	11.5123	14.9036
20496	L 3281	8.6	13.2337	12.6140
20274	L 3283	8.3	14.7622	3.2320
20467	L 3288	9.0	16.3371	11.7781
20793	L 3293	7.0	17.2214	23.4196
20796	L 3295	8.1	17.4739	23.4525
20366	L 3294	7.6	17.4899	7.1832
20443	L 3300	8.0	18.6895	10.4219
20343	L 3301	9.1	19.5896	7.0318
20283	L 3306	8.1	21.4343	3.3123
20347	L 3310	8.8	22.2906	6.1213
20477	L 3313	8.2	23.6488	12.1843
20535	L 3318	9.0	25.4604	13.9254

R.A. 7^h 52^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
20914	C 4307	9.0	24.6948	0.2920
21121	L 3313	8.2	0.4859	12.2031
21140	L 3318	9.0	2.3321	13.9071
21177	L 3320	9.0	2.9730	16.2962
21178	L 3322	8.6	3.4227	16.0885
21041	L 3326	7.5	3.9329	8.2614
21098	L 3328	9.3	4.2989	10.9931
21141	L 3329	8.9	4.4019	13.5504
21154	L 3330	8.9	4.4405	14.4691
21113	L 3331	8.5	5.8981	11.0196
20935	L 3334	8.5	6.3070	2.4247
21047	L 3335	8.4	6.3661	8.4639
20937	L 3338	7.0	7.8244	2.4002
21325	L 3339	7.2	8.0827	24.5314
21201	L 3342	8.7	9.9699	17.8078
21077	L 3347	8.7	12.1044	9.8046
21186	L 3350	9.0	13.1197	16.2037
21080	L 3351	8.9	13.4305	9.0998
20955	L 3352	8.6	13.6260	3.7684
21131	L 3356	8.3	15.2653	12.8865
21085	L 3358	8.3	15.7075	9.6458
21304	L 3359	8.5	15.8350	22.2854
20993	L 3362	9.0	17.0727	5.4234
21319	L 3363	8.5	17.4653	23.3755
21341	L 3366	9.3	19.4384	25.2133
21342	L 3368	9.0	20.9496	25.1267
21226	L 3370	9.0	21.7159	18.4202

R.A. 8^h 1^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
21401	C 4307	9.0	1.2913	0.2921
21512	L 3375	9.0	3.8272	16.5776
21425	L 3384	9.0	8.5609	5.8252
21552	L 3385	8.1	8.6721	20.2033
21497	L 3390	8.6	10.6658	14.3840
21479	L 3398	8.3	13.8171	12.6843
21586	L 3399	7.7	13.9325	23.0871
21455	L 3400	8.5	14.5799	9.7487
21534	L 3401	9.2	14.6061	18.6125
21465	L 3402	8.9	15.1318	10.6670
21471	L 3406	8.5	17.9272	11.1648
21449	L 3408	8.3	18.5760	8.6750
21525	L 3412	9.0	20.6185	17.2871
21561	L 3419	8.0	23.8399	20.2621
21571	L 3420	8.3	23.9302	21.4952
21504	L 3423	8.0	25.8016	14.8013

R.A. 8^h 10^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
21601	C 4410	9.5	2.8743	0.6274
21604	C 4419	5.7	5.0760	0.5016
21606	C 4441	8.4	12.4653	0.3894
21784	L 3419	8.0	0.8404	20.2757
21796	L 3420	8.3	0.9557	21.5066
21736	L 3423	8.0	2.6912	14.7760
21766	L 3426	9.0	3.2261	17.8398
21777	L 3427	8.8	3.2790	19.6461
21669	L 3428	8.8	3.3833	8.9880
21691	L 3429	8.7	3.7445	10.1413
21716	L 3431	9.2	4.2100	12.5540
21680	L 3432	8.4	4.5204	9.9359
21663	L 3439	8.9	6.0337	7.0846
21683	L 3444	9.3	7.8255	9.3528
21787	L 3447	8.8	9.4404	20.1766
21718	L 3451	9.0	10.3557	12.6313
21693	L 3452	8.7	10.4350	10.7038
21797	L 3453	8.8	10.8420	21.2985
21818	L 3455	9.0	11.5495	25.8906
21707	L 3459	9.1	11.8496	11.6105
21628	L 3460	8.5	11.9938	3.3575
21674	L 3466	8.1	15.0919	8.7344
21724	L 3468	9.0	16.6185	12.7307
21617	L 3469	8.8	17.5812	1.4234
21792	L 3470	9.0	17.6219	20.0724
21741	L 3471	8.0	17.6878	14.7143
21726	L 3472	8.3	18.1519	12.2859
21675	L 3478	9.0	19.1600	8.4869
21735	L 3480	8.3	21.6011	13.3776

R.A. 8^h 19^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
21901	C 4521	8.4	13.4349	0.7085
22073	L 3498	9.4	6.2514	19.6028
22117	L 3499	7.6	7.1649	23.8700
21939	L 3501	9.0	7.3154	5.2391
21996	L 3502	8.8	7.3990	11.2993
21949	L 3505	8.1	8.5705	6.9763
22096	L 3507	8.9	9.0496	21.5798
22009	L 3509	8.8	9.4081	12.7523
22083	L 3510	8.3	9.6247	20.5937

R.A. 8^h 19^m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
22084	L 3511	7·5	10·1025	20·4813
21907	L 3512	8·4	10·2127	1·5202
22018	L 3513	8·4	10·4289	13·7452
22098	L 3520	8·8	13·5246	21·2984
22059	L 3521	8·8	13·6912	17·4995
22061	L 3522	8·6	14·4209	17·6583
22042	L 3524	8·4	15·1921	15·2618
22067	L 3525	8·5	15·2434	18·5414
22003	L 3534	7·9	19·1929	11·5623
22129	L 3540	8·5	20·8938	24·4804
22035	L 3545	8·8	23·5059	14·5117
22104	L 3549	8·2	24·8322	21·5654

R.A. 8^h 28^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
22206	C 4608	9·5	21·5989	0·7710
22216	C 4619	9·0	24·0947	0·8739
22319	L 3545	8·8	0·3903	14·5330
22381	L 3549	8·2	1·8588	21·5584
22393	L 3551	9·1	4·5202	22·2197
22299	L 3555	8·5	6·3327	12·7835
22257	L 3556	8·9	6·3762	6·7132
22210	L 3559	8·1	7·0822	1·5944
22404	L 3569	8·5	10·3898	23·1855
22279	L 3570	9·0	12·2870	9·0852
22336	L 3572	8·8	12·5399	15·6684
22361	L 3577	9·3	16·3549	17·9940
22306	L 3579	8·8	17·6845	12·8908
22253	L 3580	8·5	17·8629	5·3686
22223	L 3583	8·9	20·5457	2·6246
22265	L 3588	9·4	22·6152	6·3352
22255	L 3592	8·3	23·4877	5·4665
22376	L 3600	8·5	24·4714	19·1987
22316	L 3599	7·5	24·5069	13·8034
22399	L 3601	9·0	24·5979	22·2153

R.A. 8^h 37^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
22501	C 4619	9·0	0·7033	0·8857
22514	C 4677	8·6	18·3583	1·4247
22534	L 3592	8·3	0·1890	5·4897
22576	L 3599	7·5	1·3766	13·8043
22613	L 3600	8·5	1·4502	19·1995
22639	L 3601	9·0	1·6377	22·2129
22565	L 3605	9·0	3·0569	11·2332
22579	L 3609	9·0	4·1173	13·8946
22604	L 3612	8·0	5·6743	17·5309
22538	L 3621	8·7	9·2213	5·2140
22615	L 3623	9·0	10·2188	19·6209
22600	L 3624	9·0	10·2614	16·2290
22633	L 3630	8·7	11·9387	21·0249
22606	L 3633	9·0	12·2075	17·8541
22636	L 3636	8·4	14·0625	21·1129
22595	L 3643	8·9	17·0207	15·8829
22610	L 3644	9·0	17·4984	18·8768
22585	L 3647	6·3	18·7190	13·7330
22555	L 3652	9·3	23·0686	9·8438

R.A. 8^h 46^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
22769	L 3655	9·1	3·4813	10·6895
22772	L 3656	8·5	4·4165	11·2198
22730	L 3658	9·5	5·0564	4·6442
22829	L 3661	9·0	7·0253	20·0044
22852	L 3668	9·1	10·2097	22·3100
22726	L 3677	7·0	13·2367	3·7452
22812	L 3678	9·2	13·5842	17·8796
22822	L 3681	8·9	15·3796	18·4752
22737	L 3682	7·7	15·4059	5·0745
22816	L 3683	8·9	16·0493	17·5198
22794	L 3684	9·5	16·7086	14·2803
22770	L 3687	8·8	18·3194	10·2125
22782	L 3688	5·8	18·5163	12·5129
22748	L 3689	8·6	18·5374	7·0482
22728	L 3690	9·0	18·7652	3·1076
22757	L 3691	8·2	18·9685	8·1712
22788	L 3697	9·0	24·7716	13·1783

R.A. 8^h 55^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
22908	C 4808	9·3	21·7216	1·2130
22909	C 4816	9·0	25·1777	1·0759
22964	L 3697	9·0	1·6287	13·1742
22981	L 3701	8·5	3·0862	17·3723
23029	L 3703	9·0	3·3148	24·7304
23024	L 3704	8·5	4·4171	23·8832
22942	L 3706	6·5	5·0022	8·4455
22956	L 3711	8·9	7·1850	11·2574
22963	L 3714	9·0	7·8456	12·4906
23025	L 3725	8·1	10·4118	23·3288
22918	L 3728	9·3	11·5677	3·3442
22937	L 3730	8·5	12·5296	7·1800
22975	L 3732	8·9	14·3398	15·8964
23041	L 3733	8·8	14·4679	25·5283
23021	L 3735	8·0	17·1029	22·1160
22934	L 3737	7·3	18·3680	6·9737

R.A. 9^h 4^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
23108	C 4816	9·0	1·7900	1·0666
23110	C 4828	8·9	6·8257	1·0465
23111	C 4832	6·0	7·8030	1·6826
23102	C 4842	8·2	13·2517	0·5673
23107	C 4861	9·3	18·7546	0·1020
23212	L 3754	8·3	3·7020	16·7930
23245	L 3758	8·9	5·0906	22·6146
23187	L 3759	8·5	5·6345	13·5514
23235	L 3760	6·7	6·7791	20·2548
23225	L 3765	9·0	8·0166	18·7505
23153	L 3766	8·3	8·3351	8·5340
23162	L 3767	8·2	8·7918	9·6469
23190	L 3769	8·3	9·2368	13·3475
23182	L 3772	9·0	10·6506	12·0086
23177	L 3775	9·0	11·8669	11·6968
23202	L 3776	7·5	11·9787	14·4322
23173	L 3780	8·9	14·2519	10·2110
23218	L 3781	6·5	14·5510	17·4518
23184	L 3782	9·4	14·5737	12·4210
23147	L 3783	9·2	15·0268	7·1438

R.A. 9^h 4^m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
23165	L 3789	8·3	19·0259	9·5302
23233	L 3794	9·0	23·3045	18·9838
23207	L 3796	8·9	23·6433	14·8887
23133	L 3799	8·0	24·4008	5·3431

R.A. 9^h 13^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
23302	C 4900	9·0	10·9382	0·7945
23441	L 3794	9·0	0·2793	19·0086
23404	L 3796	8·9	0·5351	14·9072
23333	L 3799	8·0	1·0994	5·3482
23413	L 3804	8·4	2·9638	16·7547
23340	L 3810	8·9	6·3053	6·5269
23379	L 3812	7·7	7·9063	10·5088
23456	L 3814	7·8	8·9915	21·6360
23316	L 3817	8·3	12·0363	2·9527
23322	L 3819	8·3	12·6773	3·9043
23428	L 3825	9·0	15·4755	17·5441
23364	L 3840	8·7	23·4297	8·5328
23440	L 3844	9·0	25·0914	18·7523

R.A. 9^h 22^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
23501	C 4943	8·4	5·7396	0·7381
23507	C 4978	8·5	19·6579	1·1627
23508	C 4997	8·9	24·9514	1·3847
23541	L 3840	8·7	0·1929	8·5569
23583	L 3844	9·0	2·0611	18·7404
23628	L 3849	9·0	3·8937	24·8520
23563	L 3850	9·0	4·0854	14·9418
23535	L 3851	9·0	4·4187	7·6521
23536	L 3854	8·8	5·3980	7·7877
23514	L 3855	9·4	5·4914	3·6069
23556	L 3860	7·5	6·6102	12·1815
23611	L 3863	8·8	7·8802	21·9790
23596	L 3866	8·8	8·6894	19·9598
23597	L 3867	8·4	9·3665	20·3998
23546	L 3870	8·5	10·4226	9·7728
23515	L 3874	8·9	12·7761	3·3511
23557	L 3875	9·4	12·8109	12·3470
23613	L 3876	8·9	13·9908	22·8711
23602	L 3882	8·8	18·1571	20·6903
23530	L 3884	9·0	18·5863	6·7259
23615	L 3885	7·3	18·6940	22·1982
23577	L 3889	9·3	20·8026	16·3506
23604	L 3891	9·0	21·4471	20·0442
23591	L 3893	9·0	22·0245	18·5741
23554	L 3897	8·8	23·8466	11·7284
23526	L 3901	9·2	24·9911	5·1922

R.A. 9^h 31^m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
23706	C 4997	8·9	1·5700	1·3797
23702	C 5028	8·8	12·6663	0·1545
23759	L 3897	8·8	0·6745	11·7433
23728	L 3901	9·2	1·6866	5·1853

R.A. 9ʰ 31ᵐ (*continued*)

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
23770	L 3903	7·8	2·9796	13·1960
23843	L 3905	8·5	3·6972	25·8179
23794	L 3907	9·0	6·6170	17·2375
23772	L 3908	8·5	7·2735	13·0840
23799	L 3910	8·3	7·7045	18·6748
23744	L 3911	9·0	8·0526	8·8952
23806	L 3912	7·5	9·3116	19·3472
23778	L 3917	9·5	11·0822	14·8033
23817	L 3919	5·3	12·4430	20·3254
23825	L 3921	8·9	13·7496	21·3713
23808	L 3922	9·3	13·8494	19·3898
23795	L 3925	8·0	14·3502	17·8739
23783	L 3929	8·5	17·3340	15·5536
23723	L 3930	8·6	17·8318	4·7523
23745	L 3931	7·5	17·9794	8·2532
23755	L 3932	8·7	18·0206	9·7449
23756	L 3933	8·7	18·4068	9·7255
23734	L 3935	9·0	21·8321	6·3464
23847	L 3936	8·6	22·5712	25·6133
23785	L 3939	9·0	23·1531	15·3833
23823	L 3940	9·2	23·3946	20·7000
23829	L 3943	6·2	24·9207	21·8510

R.A. 9ʰ 40ᵐ

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
23908	C 5096	8·5	21·2422	0·3656
24052	L 3940	9·2	0·4040	20·7229
24062	L 3943	6·2	1·9531	21·8420
24098	L 3945	9·4	3·0509	25·6454
23989	L 3948	9·3	3·5905	11·1704
24064	L 3949	8·8	4·1045	21·8701
23955	L 3952	7·2	4·9358	7·8318
24099	L 3954	8·6	5·7932	25·9430
24092	L 3955	9·0	6·3418	24·1819
23909	L 3956	9·5	6·7632	1·1059
23950	L 3958	5·3	7·0392	6·2392
24025	L 3961	9·1	13·7398	16·9103
23998	L 3962	9·0	13·7591	12·3060
24055	L 3964	9·3	13·8707	20·5649
24057	L 3966	8·8	15·3050	20·1286
23917	L 3971	8·0	17·8062	1·6637
24072	L 3973	8·8	18·6470	21·8231
24073	L 3975	9·2	20·0145	21·6059
23993	L 3977	8·6	21·0549	11·1705
23938	L 3979	9·0	21·4346	4·8692
24049	L 3981	6·7	22·9816	19·5707
24089	L 3983	7·2	25·4335	23·3827

R.A. 9ʰ 49ᵐ

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
24203	C 5161	9·0	20·8045	0·6180
...	C 5166	9·1	22·4472	0·0768
24205	C 5168	8·1	22·6487	1·1790
24216	C 5175	6·0	25·5633	2·5575
24310	L 3981	6·7	−0·0318	19·6024
24349	L 3983	7·2	2·4968	23·3626
24257	L 3984	8·8	3·8140	9·0520
24351	L 3985	8·3	4·8561	23·8856
24241	L 3987	9·0	5·2447	7·9757

R.A. 9ʰ 49ᵐ (*continued*)

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
24264	L 3988	8·4	5·2739	10·5842
24269	L 3991	8·4	6·6043	11·2881
24372	L 3993	7·7	6·8890	25·1545
24282	L 3999	9·1	8·9401	13·3925
24258	L 4001	9·0	9·0720	9·9796
24213	L 4002	9·1	9·3124	2·2376
24288	L 4007	8·0	11·9060	14·9278
24308	L 4008	8·5	12·7676	18·7238
24356	L 4009	8·5	13·7610	23·4380
24327	L 4010	8·6	15·2778	20·9643
24225	L 4013	8·0	16·4954	4·1521
24253	L 4015	9·3	16·7756	8·6421
24279	L 4022	8·0	22·0034	12·9614
24235	L 4023	8·5	22·1290	5·8730
24266	L 4026	9·3	22·6990	10·1996
24273	L 4030	8·0	24·1277	11·8687
24261	L 4031	8·8	24·5149	9·8873
24236	L 4033	8·8	24·6005	5·3570
24239	L 4035	8·9	24·7649	6·8969
24371	L 4037	8·3	25·6050	24·4734

R.A. 9ʰ 58ᵐ

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
24407	C 5175	6·0	2·2053	2·5401
24406	C 5214	6·8	21·8563	1·0445
24404	C 5215	8·6	21·9751	0·4109
24460	L 4030	8·0	0·9583	11·8781
24424	L 4033	8·8	1·2995	5·3578
24449	L 4031	8·8	1·3054	9·8890
24433	L 4035	8·9	1·4948	6·8943
24521	L 4037	8·3	2·6902	24·4494
24450	L 4040	8·9	5·5424	9·2547
24528	L 4042	8·4	6·2179	25·3800
24483	L 4043	8·6	6·4825	16·7876
24470	L 4044	7·7	6·9164	13·8032
24529	L 4048	7·5	8·6211	25·1812
24489	L 4049	9·2	10·5182	17·7895
24502	L 4050	9·2	11·4982	19·4948
24467	L 4052	9·5	12·7011	12·3900
24523	L 4053	8·3	13·3759	24·6311
24441	L 4056	9·5	16·1029	7·6214
24414	L 4057	7·9	16·4700	3·8145
24513	L 4059	9·1	17·1059	22·5922
24503	L 4060	7·5	17·7671	19·8847
24509	L 4064	8·2	19·1554	21·6377
24481	L 4065	8·4	19·4491	15·7397
24429	L 4067	8·5	19·8637	5·5797
24431	L 4076	9·0	23·5841	5·4533
24447	L 4080	9·0	25·2555	8·6857
24498	L 4082	8·9	25·3086	18·2674
24476	L 4081	8·4	25·3454	14·1097

R.A. 10ʰ 7ᵐ

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
24602	C 5244	8·2	10·7681	0·6089
24645	C 5245	8·5	11·2118	4·3275
24620	C 5281	8·5	24·5422	1·6872
24610	C 5283	9·0	25·2906	0·8498
...	C 5287	8·7	25·9580	0·5465
24650	L 4076	9·0	0·2850	5·4745

R.A. 10ʰ 7ᵐ (*continued*)

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
24683	L 4080	9·0	2·0216	8·6728
24723	L 4081	8·4	2·2213	14·0940
24759	L 4082	8·9	2·2685	18·2512
24798	L 4085	8·8	3·2736	23·0829
24697	L 4087	9·0	3·3359	10·2521
24819	L 4092	9·2	4·7652	25·9706
24768	L 4098	9·0	9·2226	19·6333
24741	L 4101	8·8	9·7395	16·4824
24689	L 4103	7·5	10·4894	8·7073
24795	L 4106	8·5	12·3207	22·8955
24703	L 4109	9·5	13·0120	11·2910
24802	L 4110	7·8	14·2858	23·4732
24828	L 4111	8·7	14·6673	25·0922
24796	L 4112	8·7	16·0395	22·6194
24830	L 4113	8·3	16·4534	25·7141
24811	L 4114	7·8	16·6527	24·0662
24787	L 4115	8·8	16·9044	21·1226
24763	L 4117	8·8	18·5239	18·8704
24815	L 4119	6·3	19·0236	24·5903
24773	L 4121	9·3	20·7106	19·3974
24758	L 4132	7·4	25·4770	17·7037

R.A. 10ʰ 16ᵐ

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
24907	C 5281	8·5	1·1669	1·6899
24901	C 5283	9·0	1·8982	0·8382
24902	C 5287	8·7	2·5591	0·5218
25031	L 4132	7·4	2·4254	17·6845
24990	L 4134	8·9	3·4723	12·1856
24929	L 4136	8·0	4·8383	4·8743
25009	L 4137	8·8	4·9468	14·4522
24910	L 4142	9·2	7·6432	1·7788
24938	L 4147	9·0	8·8064	5·3689
24911	L 4149	8·4	10·1599	1·8985
25089	L 4150	8·8	10·3666	24·1744
24923	L 4152	9·0	10·7247	3·2183
25013	L 4153	7·1	10·8527	14·9853
24973	L 4154	8·7	11·5812	9·0281
24993	L 4155	8·5	11·6719	12·3170
24987	L 4162	8·3	16·0529	11·0403
25036	L 4164	7·0	16·4394	17·1150
24941	L 4165	8·5	17·7175	5·2664
24917	L 4166	6·5	18·2921	2·4739
24974	L 4170	8·4	19·1640	9·5092
24989	L 4173	7·5	21·6122	11·6245
25060	L 4177	9·0	23·2830	20·9320
25015	L 4176	8·8	23·3117	14·0660

R.A. 10ʰ 25ᵐ

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
25210	C 5376	8·6	10·7525	1·2807
25202	C 5387	9·0	14·2322	0·5035
...	L 4176	8·8	0·1870	14·0912
...	L 4177	9·0	0·2971	20·9571
25224	L 4181	7·5	3·5675	3·2545
25361	L 4183	8·9	4·2256	17·8143
25314	L 4185	8·7	6·9201	12·4571
25276	L 4186	9·2	8·2689	8·4649
25230	L 4187	6·8	8·8313	3·8799

R.A. 10h 25m (*continued*)

Reference Number. Oxford.	Cambridge or Leiden.		Mag.	Standard Co-ordinates. 1900·0. ξ′.	η′.
25232	L	4190	8·5	9·8393	3·3286
25239	L	4191	9·0	10·1171	4·4910
25365	L	4193	8·9	11·6918	17·3350
25382	L	4195	8·9	11·9908	19·7887
25425	L	4194	8·9	11·9968	24·2515
25300	L	4199	8·8	13·8419	10·9206
25247	L	4200	9·1	13·9176	5·9168
25383	L	4202	8·2	15·5599	19·6654
25384	L	4203	8·8	15·8700	19·7015
25357	L	4206	8·7	16·4792	16·3771
25234	L	4207	7·8	16·6074	3·9623
25249	L	4209	8·8	17·6662	5·2400
25426	L	4211	8·4	17·7564	24·2700
25385	L	4212	9·0	17·8228	19·2085
25235	L	4213	9·4	18·1519	3·8457
25324	L	4215	9·4	18·8104	13·7731
25439	L	4216	9·0	19·3078	25·8889
25358	L	4217	8·1	19·4831	16·2953
25395	L	4218	9·2	20·2701	20·8941

R.A. 10h 34m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
25512	C	5431	8·6	9·6998	1·2386
25507	C	5466	9·5	21·1785	0·0732
25586	L	4225	9·0	3·2899	13·6440
25578	L	4227	8·3	3·5600	12·0532
25593	L	4228	8·9	3·7573	15·0152
25571	L	4229	9·5	5·8923	10·2728
25637	L	4230	9·0	6·0378	20·4202
25604	L	4231	9·3	6·0837	15·0641
25596	L	4232	9·2	6·9007	14·2093
25572	L	4234	9·4	7·4976	10·2917
25622	L	4245	8·9	13·1555	18·2004
25538	L	4246	9·3	13·5174	5·9136
25616	L	4248	9·2	14·9192	17·0727
25565	L	4250	8·1	16·5576	9·7151
25518	L	4251	8·8	16·6277	2·9772
25540	L	4252	9·4	17·0921	5·2749
25532	L	4254	8·8	19·0073	4·8499
25521	L	4257	8·8	20·6445	2·6574
25607	L	4262	9·0	25·2578	15·6519
25608	L	4264	9·2	25·4770	15·8274

R.A. 10h 43m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
25707	C	5483	8·4	3·5647	1·5345
25703	C	5509	6·5	14·1487	0·3428
25714	C	5538	8·6	23·9448	1·7684
25806	L	4262	9·0	2·1647	15·6373
25807	L	4264	9·2	2·3875	15·8083
25808	L	4269	5·0	6·0895	15·5330
25799	L	4270	8·0	6·1690	14·8719
25809	L	4273	8·2	7·5184	15·4342
25825	L	4276	9·1	8·7657	17·5483
25777	L	4277	8·9	9·6464	10·2389
25756	L	4278	8·3	9·9961	7·1244
25759	L	4282	9·0	13·4237	7·4953
25760	L	4287	8·6	15·6125	6·9977
25713	L	4288	8·9	15·8272	1·5384

R.A. 10h 43m (*continued*)

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
25753	L	4290	8·9	18·0876	6·6439
25742	L	4292	8·9	19·7318	5·0380
25880	L	4296	7·6	21·7766	23·8220
25891	L	4304	9·4	24·0158	24·5170
25791	L	4303	8·0	24·0359	12·0379

R.A. 10h 52m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
...	C	5538	8·6	0·5715	1·7828
26016	L	4303	8·0	0·8701	12·0490
26131	L	4304	9·4	1·1024	24·5261
26006	L	4306	8·8	3·1911	11·7098
25995	L	4307	8·0	3·3315	10·9087
25948	L	4308	8·6	4·0959	5·5694
26029	L	4310	9·0	4·8728	13·1982
26030	L	4311	7·0	5·0449	13·8014
25920	L	4313	7·0	5·4974	2·9948
26123	L	4315	9·2	7·3978	23·4857
26092	L	4319	8·0	9·9588	19·8955
26102	L	4320	9·0	10·7878	20·5812
25924	L	4321	9·0	12·5861	2·3723
26052	L	4322	7·0	13·2741	15·2503
25915	L	4323	9·5	13·3155	1·8472
26104	L	4324	8·0	14·2518	20·4133
26059	L	4325	8·3	15·2627	16·1375
26021	L	4327	9·2	16·8569	12·7285
25971	L	4329	9·5	18·5844	7·9187
26096	L	4331	8·9	19·3489	19·4389
26071	L	4332	8·8	20·6462	17·7510
25972	L	4333	9·2	20·7628	7·2479
26120	L	4335	8·0	23·1424	22·4654
25956	L	4336	6·8	24·3085	5·9525
26073	L	4337	8·8	24·5271	17·7368
26074	L	4340	8·8	25·3687	17·4181
25946	L	4339	8·8	25·4154	4·7929
26026	L	4341	8·4	25·7620	12·5998

R.A. 11h 1m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
26209	C	5637	9·0	15·5356	1·6154
26211	C	5646	8·8	19·3200	1·4134
26326	L	4335	8·0	0·1876	22·4936
26226	L	4336	6·8	1·0195	5·9590
26294	L	4337	8·8	1·4764	17·7368
26221	L	4339	8·8	2·1027	4·7781
26295	L	4340	8·8	2·3113	17·4009
26265	L	4341	8·4	2·6071	12·5757
26266	L	4342	8·0	3·7346	12·4804
26278	L	4343	8·4	4·7927	14·6302
26328	L	4344	9·0	4·9588	22·9688
26229	L	4345	8·8	5·1463	6·6134
26329	L	4347	8·6	6·2057	22·1507
26344	L	4353	6·8	8·3889	24·7118
26281	L	4356	8·5	11·2205	14·6317
26318	L	4357	9·0	11·2664	20·5689
26238	L	4359	8·0	11·4393	7·4722
26256	L	4360	9·4	11·8055	10·4976
26306	L	4361	8·8	13·6311	18·6640
26350	L	4362	9·3	13·9724	25·0146

R.A. 11h 1m (*continued*)

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
26242	L	4369	7·2	19·7735	8·0078
26224	L	4370	9·0	21·2535	4·2897
26262	L	4373	8·0	23·6604	11·8122
26237	L	4374	9·4	23·8273	6·9389
26325	L	4375	9·0	23·9389	21·4806
26274	L	4376	8·7	24·6129	13·4853

R.A. 11h 10m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
26408	C	5668	8·8	6·4059	2·0231
26409	C	5672	8·3	7·8779	2·1761
26412	C	5694	8·9	17·9321	2·4027
26472	L	4373	8·0	0·4900	11·8308
26434	L	4374	9·4	0·5583	6·9550
26525	L	4375	9·0	0·9641	21·4920
26484	L	4376	8·7	1·4762	13·4845
26450	L	4379	9·1	4·4809	9·3623
26464	L	4381	8·2	4·9799	10·1802
26516	L	4388	9·4	9·6880	19·2342
26508	L	4402	8·5	21·0022	17·9295
26488	L	4404	9·3	23·1085	13·6607
26489	L	4406	8·6	23·9875	13·8516
26515	L	4407	9·0	24·9392	18·6207
26463	L	4408	7·0	25·4441	9·0825

R.A. 11h 19m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
26620	C	5725	8·1	9·9375	2·2421
26612	C	5735	9·0	13·0593	1·5397
26614	C	5761	9·2	21·4673	1·1019
26605	C	5771	9·4	25·4429	0·2615
26706	L	4406	8·6	0·8583	13·8633
26751	L	4407	9·0	1·9063	18·6119
26669	L	4408	7·0	2·2181	9·0660
26800	L	4416	8·8	8·8735	24·5219
26794	L	4421	9·4	10·3668	23·8647
26674	L	4426	9·0	13·7230	9·5969
26765	L	4427	9·2	13·9591	19·6953
26676	L	4429	8·9	14·5284	9·0337
26642	L	4430	9·4	15·2429	5·1929
26634	L	4432	7·4	15·4299	4·7171
26723	L	4433	9·0	15·7900	14·6037
26656	L	4434	6·5	16·3971	7·4444
26630	L	4435	9·4	16·5124	3·6626
26645	L	4442	8·8	21·8008	5·5360
26705	L	4446	7·0	25·8533	12·8322

R.A. 11h 28m

Oxford.	Cambridge or Leiden.		Mag.	ξ′.	η′.
26901	C	5771	9·4	2·0386	0·2471
26906	C	5801	8·6	17·6449	0·7544
26938	C	5802	9·0	19·1481	6·8523
26974	L	4446	7·0	2·7031	12·8062
26945	L	4448	8·7	3·9962	8·4774
26941	L	4449	6·8	4·6797	7·3002
26942	L	4450	9·0	4·8021	7·4935

R.A. 11h 28m (continued)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
26935	L 4451	8·4	5·4992	6·2591
27006	L 4453	7·5	8·7978	19·3013
26965	L 4454	7·7	9·6622	10·4905
26928	L 4457	8·8	10·8844	5·9140
26920	L 4462	9·0	14·2856	3·1308
27056	L 4467	8·9	17·2980	25·8356
26979	L 4468	7·3	17·4981	13·7589
26970	L 4471	8·5	18·3785	11·6215
26993	L 4474	8·3	20·2576	16·2877
27053	L 4476	9·1	23·1683	24·1345
27035	L 4480	9·2	25·3624	22·7401

R.A. 11h 37m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
27109	C 5834	9·4	7·5146	1·5675
27117	C 5853	7·5	17·9216	2·6304
27263	L 4480	9·2	2·4126	22·7216
27126	L 4482	8·1	3·5660	4·7640
27270	L 4485	9·1	7·3965	24·1806
27271	L 4487	8·6	7·8349	24·1473
27163	L 4488	8·9	8·3312	8·2270
27273	L 4491	8·9	9·0511	23·7233
27164	L 4492	9·0	9·0981	8·3132
27123	L 4499	8·9	13·3175	3·7663
27276	L 4505	8·9	17·4409	23·6371
27261	L 4507	9·4	18·0277	21·2570
27149	L 4508	7·5	18·1511	6·4145
27246	L 4509	8·5	19·2928	19·3397
27218	L 4511	9·0	20·0981	17·0073
27267	L 4513	9·4	20·9378	22·9872
27199	L 4514	7·8	21·5618	13·5921
27207	L 4515	9·4	22·5865	14·0777
27185	L 4517	9·5	24·0439	11·7001
27190	L 4518	8·7	24·2894	12·7915
27212	L 4519	8·5	25·1152	15·0682

R.A. 11h 46m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
27305	C 5888	7·5	8·8223	1·6604
27363	L 4517	9·5	0·8711	11·7112
27369	L 4518	8·7	1·1387	12·7972
27377	L 4519	8·5	2·0104	15·0569
27354	L 4521	9·5	4·0599	10·5802
27385	L 4523	8·9	5·7432	15·2154
27426	L 4524	8·6	6·7239	22·1402
27448	L 4525	9·1	7·9467	25·1636
27392	L 4534	9·1	15·8143	16·5663
27359	L 4535	8·5	16·9801	10·5968
27401	L 4537	8·0	17·3813	17·6029
27430	L 4541	8·7	19·8357	22·4077
27433	L 4544	8·7	25·3996	22·1748

R.A. 11h 55m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
27511	C 5935	9·5	6·3794	1·4769
27518	C 5958	7·8	17·1750	2·2841

R.A. 11h 55m (continued)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
27679	L 4544	8·7	2·4384	22·1557
27620	L 4547	9·3	4·0516	16·6358
27554	L 4552	8·6	7·9510	5·5342
27543	L 4553	9·0	8·1537	5·0009
27690	L 4556	8·3	8·8987	23·7388
27673	L 4557	8·7	9·6417	21·2891
27633	L 4558	8·8	10·0257	17·2853
27654	L 4567	8·8	15·5660	19·4278
27616	L 4568	7·4	15·8412	15·3635
27646	L 4570	8·7	17·1877	18·4759
27684	L 4572	8·5	18·1438	22·6873
27704	L 4574	8·5	19·6865	25·8525
27535	L 4577	9·3	21·3853	3·6935
27536	L 4578	7·2	21·9086	3·8747
27678	L 4580	9·1	24·6404	21·3425
27637	L 4583	8·1	25·7924	17·7653

R.A. 12h 4m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
27961	L 4580	9·1	1·6626	21·3395
27926	L 4583	8·1	2·7419	17·7394
27972	L 4585	7·9	3·5041	22·2414
27803	L 4588	9·3	5·4563	0·5362
27810	L 4590	7·8	6·7878	1·5735
27876	L 4591	8·9	7·0390	10·8394
27895	L 4597	7·8	9·5555	12·7264
27957	L 4598	7·2	10·4717	20·2884
27878	L 4600	7·2	10·8572	10·9883
27943	L 4601	9·2	11·0684	18·8246
27959	L 4604	8·8	13·3284	20·0293
27816	L 4605	7·6	13·7356	1·2038
27897	L 4608	8·9	15·5706	12·4309
27844	L 4609	8·8	16·3174	5·1956
27860	L 4619	8·7	22·3780	7·7152
27888	L 4622	7·4	23·9022	11·1149
27953	L 4625	8·3	24·5974	19·2953
27914	L 4624	8·0	24·6079	14·4904

R.A. 12h 13m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
28178	L 4622	7·4	0·7177	11·1287
28203	L 4624	8·0	1·4915	14·4896
28243	L 4625	8·3	1·5782	19·2936
28225	L 4627	8·2	3·0288	17·5919
28163	L 4632	8·0	5·1962	9·3865
28158	L 4638	8·9	9·7273	8·4705
28171	L 4642	6·5	14·2436	10·7066
28198	L 4644	8·9	15·2846	13·2940
28164	L 4646	8·5	16·8788	9·6814
28200	L 4647	8·5	18·0371	13·5154
28159	L 4649	9·3	20·1338	8·7749
28234	L 4661	8·3	25·2112	17·3292

R.A. 12h 22m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
28429	L 4661	8·3	2·1521	17·3152
28409	L 4662	8·8	2·9468	15·0201

R.A. 12h 22m (continued)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
28361	L 4665	9·4	3·5685	8·6021
28453	L 4667	7·2	7·4691	20·0680
28354	L 4670	8·7	8·4460	7·0808
28370	L 4672	9·0	10·5613	9·1351
28387	L 4675	9·3	15·7215	11·5682
28341	L 4676	8·4	15·8089	5·4494
28321	L 4677	7·9	17·0779	2·7279
28313	L 4682	8·5	19·5615	1·5777
28314	L 4683	8·5	19·5667	1·8093
28420	L 4684	8·9	19·6401	15·2521
28356	L 4686	8·9	20·1352	7·9120
28448	L 4687	8·7	21·5423	19·5655
28462	L 4688	9·1	22·0963	20·3650
28451	L 4693	9·2	25·0508	19·9303

R.A. 12h 31m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
28742	L 4693	9·2	2·0443	19·9188
28753	L 4699	8·6	6·5042	20·8145
28657	L 4701	8·2	6·6642	8·1181
28667	L 4707	8·0	10·6284	9·9404
28757	L 4708	9·0	11·0383	20·4147
28669	L 4711	8·8	12·5982	9·9201
28646	L 4712	8·3	13·0788	6·7338
28610	L 4715	8·2	13·4148	1·0435
28627	L 4719	8·5	15·2433	3·9243
28692	L 4721	9·2	16·3966	12·6910
28628	L 4725	9·4	19·2457	3·7115
28706	L 4729	8·3	21·5112	14·6329
28750	L 4731	8·8	22·2575	19·6702
28730	L 4732	9·1	22·5240	17·4025
28720	L 4734	9·4	23·2889	16·6012
28693	L 4736	7·2	25·0505	12·2070

R.A. 12h 40m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
28903	L 4734	9·4	0·2153	16·6267
28877	L 4736	7·2	1·8874	12·1974
28878	L 4739	6·8	3·3146	12·8667
28879	L 4741	9·0	4·6801	12·0948
28817	L 4742	9·1	4·8484	3·3067
28825	L 4743	9·2	5·0610	4·2444
28826	L 4745	9·0	6·0380	4·5211
28854	L 4751	9·1	7·7368	8·8751
28912	L 4752	8·9	9·0985	17·2461
28861	L 4755	9·1	11·0851	9·4066
28829	L 4757	7·5	14·4502	4·8728
28862	L 4758	8·2	14·6050	9·9258
28812	L 4760	8·3	15·9754	2·7742
28803	L 4762	9·3	18·8123	1·0313
28806	L 4766	6·8	20·6742	1·9580
28913	L 4767	9·0	20·7366	17·4412
28882	L 4769	6·8	21·7600	12·3367
28909	L 4770	7·0	22·0349	16·7769

R.A. 12h 49m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
29017	L 4774	9·3	3·1666	2·8963
29144	L 4775	7·5	5·8000	25·2833
29066	L 4777	9·0	8·0895	11·9782
29019	L 4779	9·2	9·3221	2·8361
29111	L 4781	8·9	9·7687	20·9207
29034	L 4782	9·0	9·8429	5·4376
29048	L 4786	9·1	12·4430	8·8828
29083	L 4788	9·1	13·8136	15·8190
29105	L 4790	9·2	15·7203	19·9503
29028	L 4794	8·4	19·2886	3·0460
29051	L 4797	8·7	20·9994	8·2205
29073	L 4798	8·1	22·2660	11·9750
29132	L 4799	9·3	22·4288	23·0473
29107	L 4802	8·8	24·3709	19·5591
29046	L 4803	8·7	25·1502	7·7861

R.A. 12h 58m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
29208	C 6361	9·0	25·7292	0·8489
29209	C 6362	9·0	25·8665	1·1261
29336	L 4802	8·8	1·3571	19·5617
29254	L 4803	8·7	1·8981	7·7758
29292	L 4804	8·9	4·3036	12·7614
29261	L 4805	8·4	4·3930	8·2415
29320	L 4809	5·2	6·5699	16·9104
29302	L 4811	8·7	8·0505	13·6554
29215	L 4813	9·0	9·4691	2·9936
29359	L 4814	9·0	10·3142	21·3913
29216	L 4815	9·3	10·6362	2·4511
29360	L 4816	9·2	11·2307	21·4498
29288	L 4817	8·0	11·9227	11·7355
29282	L 4819	8·5	12·6633	10·8161
29350	L 4820	9·0	12·6671	20·4456
29341	L 4821	7·5	15·6826	19·4741
29323	L 4822	8·6	15·8020	16·5262
29296	L 4824	9·0	16·1757	13·0437
29273	L 4825	8·8	16·7206	10·0893
29207	L 4828	9·4	22·2308	0·5345
29355	L 4831	9·2	23·8575	20·7435

R.A. 13h 7m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
29401	C 6361	9·0	2·3366	0·8286
29407	C 6362	9·0	2·4796	1·1033
29402	C 6368	8·1	4·8237	0·0562
29403	C 6379	8·3	9·3574	0·7243
29406	C 6407	8·5	20·4947	0·2028
29557	L 4831	9·2	0·8677	20·7567
29489	L 4838	7·9	6·1922	10·3408
29502	L 4839	8·7	7·2091	12·6279
29587	L 4840	9·0	8·2792	23·8239
29541	L 4844	8·8	11·7028	17·3115
29448	L 4845	9·2	11·7330	5·1013
29468	L 4849	8·2	14·3251	7·0855
29439	L 4853	8·6	18·0806	4·7133
29450	L 4854	7·7	18·1105	5·1901
29501	L 4855	9·0	18·3012	11·9089
29570	L 4857	8·5	19·3958	20·1946

R.A. 13h 7m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
29442	L 4859	9·2	21·9380	4·4801
29551	L 4864	8·1	24·5599	18·1605
29617	L 4865	8·7	25·3113	25·8326

R.A. 13h 16m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
29711	C 6466	9·3	23·5373	0·9702
29895	L 4864	8·1	1·5178	18·1597
29962	L 4865	8·7	2·4241	25·8141
29917	L 4867	8·9	3·8519	20·2881
29854	L 4870	7·5	4·4287	14·7209
29844	L 4882	8·6	15·5236	13·5461
29809	L 4883	6·7	17·0592	10·8055
29768	L 4886	9·0	17·7582	6·4724
29848	L 4887	8·9	20·1875	13·7780
29849	L 4892	8·9	22·7049	13·9554
29745	L 4890	9·1	22·7482	3·6584
29881	L 4894	9·0	24·1787	16·1218

R.A. 13h 25m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
30001	C 6466	9·3	0·1476	0·9931
30004	C 6498	9·5	13·9505	0·5811
30135	L 4894	9·0	1·0954	16·1293
30157	L 4898	9·5	3·8386	19·3723
30130	L 4899	7·5	3·9687	15·6892
30147	L 4903	8·6	5·3611	17·3106
30164	L 4907	6·8	9·6541	21·0101
30115	L 4910	7·3	11·1672	13·9371
30166	L 4913	8·8	11·8926	20·0864
30200	L 4915	8·8	12·7411	25·5197
30035	L 4917	9·0	14·0861	4·2520
30118	L 4919	9·0	16·2882	13·6976
30131	L 4920	9·0	16·4375	15·4864
30019	L 4922	9·2	17·3700	2·0892
30037	L 4924	8·6	18·4719	4·7763
30139	L 4926	9·3	19·0580	16·0989
30080	L 4927	9·1	19·6428	9·6038
30107	L 4928	8·2	20·0333	12·8759
30142	L 4930	7·3	21·1774	16·1728
30096	L 4929	8·7	21·1819	11·0520
30074	L 4931	9·0	21·6181	8·0377
30049	L 4932	8·8	22·4673	5·0777
30084	L 4935	8·9	23·0854	9·0675
30041	L 4936	8·2	23·2303	4·0270
30207	L 4940	8·8	24·0068	25·8339
30134	L 4943	9·1	24·9697	15·9519
30122	L 4944	9·2	25·2554	13·0831
30098	L 4945	8·8	25·8191	11·0565

R.A. 13h 34m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
30310	C 6548	9·0	12·1620	1·0059
30316	C 6580	8·9	25·5446	1·1665
30481	L 4940	8·8	1·1199	25·8431
30420	L 4943	9·1	1·8829	15·9433

R.A. 13h 34m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
30398	L 4944	9·2	2·1104	13·0691
30377	L 4945	8·8	2·6330	11·0319
30469	L 4947	9·0	3·4474	22·5760
30356	L 4948	8·5	3·8116	8·9063
30318	L 4950	9·1	6·1360	2·6241
30332	L 4952	8·1	6·9387	4·4153
30450	L 4951	9·0	6·9767	19·2806
30322	L 4956	9·2	9·0004	3·5911
30358	L 4957	8·4	9·4710	8·1263
30457	L 4963	8·3	14·4342	20·3251
30352	L 4964	8·7	14·5757	7·4739
30381	L 4967	9·3	14·9861	10·7540
30354	L 4970	8·5	16·6401	7·5589
30452	L 4971	6·0	17·3782	19·1937
30394	L 4972	9·1	17·6646	12·8205
30372	L 4973	9·3	17·8249	9·1590
30324	L 4979	9·1	20·7279	3·0014
30374	L 4982	9·4	23·1625	8·8620
30329	L 4985	8·6	24·6224	3·2573

R.A. 13h 43m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
30510	C 6580	8·9	2·1587	1·1501
30516	C 6621	9·1	22·9019	1·9660
30522	L 4985	8·6	1·2798	3·2582
30717	L 4992	9·4	3·8007	25·7177
30708	L 4995	8·6	7·4058	24·9339
30621	L 4996	8·3	8·2698	14·3254
30670	L 4998	9·0	9·2807	19·6611
30604	L 5001	8·3	9·7676	12·5395
30651	L 5000	6·3	9·7752	17·8156
30549	L 5002	9·3	12·3830	6·0987
30628	L 5007	9·0	14·1249	15·2702
30711	L 5009	8·5	14·1691	24·2846
30700	L 5010	8·0	15·1163	23·7921
30541	L 5011	7·8	15·5746	5·3128
30685	L 5012	5·5	15·8981	21·2434
30589	L 5013	9·4	15·9788	10·4815
30633	L 5018	7·6	18·0792	15·6201
30687	L 5022	8·9	19·6765	21·7716
30535	L 5024	8·9	22·6293	4·5467
30565	L 5026	8·5	23·6851	7·0681
30704	L 5030	9·5	24·7369	23·8987
30581	L 5031	9·0	24·9496	9·0945
30668	L 5032	9·0	25·1632	18·0942

R.A. 13h 52m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
30814	C 6685	9·4	22·1109	1·8336
30850	L 5026	8·5	0·4188	7·0868
30868	L 5031	9·0	1·7240	9·0877
30987	L 5030	9·5	1·8108	23·8929
30940	L 5032	9·0	2·1197	18·0810
30935	L 5038	9·4	6·7371	17·5544
30838	L 5040	7·3	7·6235	5·8947
30871	L 5041	8·2	8·0943	9·3690
30996	L 5042	9·3	10·2621	24·1193
30886	L 5047	8·6	12·3674	11·2625
30872	L 5050	8·8	13·5027	8·9954

R.A. 13^h 52^m (*continued*)

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
30878	L	5051	8·4	13·6925	10·3552
30855	L	5053	9·4	14·2860	7·0089
30823	L	5057	8·8	15·2460	3·2302
31003	L	5059	9·4	16·8701	25·2851
30826	L	5062	9·2	19·5829	3·7644
30921	L	5063	9·4	20·4068	15·2321
30924	L	5067	7·6	24·7754	15·1022
31004	L	5069	7·0	25·5601	25·6453

R.A. 14^h 1^m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
31200	L	5067	7·6	1·6713	15·0977
31268	L	5069	7·0	2·6691	25·6220
31241	L	5072	8·4	3·2610	21·1702
31156	L	5073	8·4	3·3658	7·9736
31253	L	5077	9·1	5·1854	23·1734
31172	L	5078	9·3	5·2468	11·0850
31168	L	5080	8·6	6·3281	10·7432
31109	L	5087	9·0	13·1571	1·4533
31210	L	5090	7·2	15·5682	16·9413
31171	L	5091	8·6	15·9933	10·0068
31224	L	5096	8·0	18·5550	18·4502
31144	L	5097	8·9	18·9874	6·9219
31135	L	5101	8·8	20·7575	5·2174
31199	L	5105	9·0	21·8842	14·0132
31245	L	5109	7·2	24·0932	21·7673
31275	L	5112	9·0	25·5484	25·0958
31227	L	5111	8·6	25·5721	18·1767

R.A. 14^h 10^m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
31315	C	6742	9·0	5·0074	1·8064
31490	L	5109	7·2	1·1241	21·7752
31463	L	5111	8·6	2·5301	18·1550
31527	L	5112	9·0	2·6463	25·0727
31396	L	5115	8·8	4·9183	9·3755
31501	L	5117	9·0	6·2846	22·3276
31378	L	5118	8·0	9·2032	7·9510
31531	L	5119	8·4	9·4857	25·5683
31464	L	5121	9·1	10·3498	18·5790
31482	L	5124	7·2	11·4487	20·9556
31465	L	5125	9·4	11·4970	18·5534
31402	L	5127	7·3	11·9878	9·1415
31338	L	5132	9·0	13·7858	3·8198
31390	L	5133	8·9	15·2587	8·6161
31495	L	5137	9·0	17·9326	21·2940
31533	L	5142	9·0	21·0654	25·6028
31460	L	5146	9·5	22·4429	17·4058
31352	L	5149	8·9	24·8357	4·7262
31395	L	5150	9·1	25·0169	8·9173
31330	L	5152	8·8	25·8700	2·4512

R.A. 14^h 19^m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
31649	L	5149	8·9	1·5218	4·7229
31691	L	5150	9·1	1·7877	8·9093

R.A. 14^h 19^m (*continued*)

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
31609	L	5152	8·8	2·5097	2·4277
31740	L	5153	8·6	2·8072	14·2399
31780	L	5154	9·3	3·8438	18·3738
31723	L	5155	6·5	4·6891	11·6883
31713	L	5156	9·2	4·8319	10·5911
31611	L	5160	9·0	5·5250	2·4560
31803	L	5158	9·0	5·5286	20·3211
31751	L	5159	9·4	5·5462	14·7867
31714	L	5162	9·0	5·7867	10·7053
31752	L	5163	9·3	5·9090	14·8401
31770	L	5168	8·6	7·8797	16·5437
31615	L	5169	8·3	9·5475	2·1682
31840	L	5175	9·4	11·8155	22·5255
31764	L	5176	9·0	12·3985	15·8432
31662	L	5181	8·1	14·5190	6·0707
31725	L	5183	8·9	15·3396	11·9656
31805	L	5184	9·5	15·4749	19·7579
31639	L	5185	8·6	16·2088	4·3879
31806	L	5189	9·0	17·4410	19·6180
31686	L	5195	8·9	22·3707	8·4036
31747	L	5198	9·0	23·1675	14·0033

R.A. 14^h 28^m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
31903	C	6853	9·2	4·6595	0·8550
32011	L	5204	7·7	3·1213	11·5844
31954	L	5205	9·0	3·1494	5·4338
32086	L	5208	7·7	5·3533	18·4987
32042	L	5209	7·5	5·6972	14·5098
31943	L	5210	9·5	6·2301	4·8021
31922	L	5213	9·1	9·5971	1·8062
32001	L	5214	9·4	10·7433	10·9619
32052	L	5216	8·5	11·3515	15·2329
32003	L	5218	3·6	11·7735	10·7136
32135	L	5219	8·7	11·7798	22·1574
31997	L	5220	8·2	12·9700	9·4087
32171	L	5221	9·3	13·1953	25·9342
32172	L	5222	8·7	13·2487	25·9528
31948	L	5225	8·8	17·1593	4·1128
32092	L	5226	8·5	17·8377	18·1077
31938	L	5230	5·0	19·0151	3·1583
32142	L	5233	9·0	24·5562	22·6303

R.A. 14^h 37^m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
32209	C	6961	8·9	25·8717	0·3836
32452	L	5233	9·0	1·6045	22·6286
32437	L	5238	9·0	3·1837	21·0349
32473	L	5239	7·8	3·6801	25·6411
32280	L	5240	7·7	6·1976	6·3787
32385	L	5241	8·3	6·7129	15·2594
32418	L	5243	8·5	8·0059	19·5006
32299	L	5246	9·3	9·4172	7·1276
32345	L	5247	7·5	10·4513	11·4985
32273	L	5248	9·3	10·6849	5·4080
32357	L	5249	7·7	10·8916	12·4176
32442	L	5251	7·7	11·7104	21·6525
32476	L	5256	8·0	12·9632	24·9995
32444	L	5257	9·1	13·1577	21·9791

R.A. 14^h 37^m (*continued*)

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
32425	L	5259	8·5	15·4123	19·7670
32246	L	5262	9·3	16·5098	3·2413
32234	L	5264	8·6	18·1175	2·5225
32277	L	5265	9·2	18·2811	5·6155
32379	L	5266	8·5	18·3314	14·6164
32305	L	5267	8·9	18·6598	7·2102
32222	L	5268	8·9	21·0808	1·2559
32331	L	5273	7·3	22·4469	9·6492
32363	L	5274	8·3	22·8333	12·5191
32388	L	5277	9·3	23·9447	15·4551
32342	L	5281	9·1	25·8825	10·3077

R.A. 14^h 46^m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
32502	C	6961	8·9	2·4697	0·3607
32651	L	5277	9·3	0·8481	15·4673
32602	L	5281	9·1	2·6812	10·2817
32632	L	5283	8·2	3·4911	13·7313
32700	L	5284	8·8	3·5642	19·9511
32653	L	5287	8·5	4·1769	15·4215
32715	L	5291	9·5	9·7430	20·8413
32544	L	5292	9·0	10·7292	4·8778
32627	L	5293	8·9	12·2710	12·9009
32585	L	5297	9·0	14·1765	7·9588
32622	L	5298	8·3	14·5141	11·1067
32601	L	5300	9·0	14·9002	9·9463
32516	L	5302	8·9	16·4630	1·1149
32719	L	5310	8·3	19·5947	20·4081
32684	L	5314	8·5	22·0280	17·4305
32520	L	5315	9·3	22·3727	1·1434
32576	L	5322	6·8	24·2909	6·6836
32748	L	5325	9·1	24·7584	23·9147
32749	L	5326	8·7	24·9598	23·0262

R.A. 14^h 55^m

Oxford	Cambridge or Leiden		Mag.	ξ′	η′
32801	C	7028	9·4	6·2555	0·2596
32854	C	7065	9·0	25·8451	5·4931
32855	L	5322	6·8	1·0163	6·6904
32994	L	5325	9·1	1·8326	23·9084
32979	L	5326	8·7	2·0160	23·0159
32856	L	5327	9·0	2·9733	6·2180
32918	L	5329	8·3	3·6880	13·5985
32832	L	5331	8·3	4·9511	4·4578
32957	L	5332	8·4	5·2093	19·5907
32833	L	5334	8·7	5·6131	4·0657
32836	L	5338	8·8	9·5274	4·4077
32880	L	5339	8·7	9·5415	9·2201
32873	L	5342	8·6	12·1747	7·2995
32838	L	5346	7·9	13·8417	4·1876
33012	L	5353	7·3	16·3500	25·1036
32989	L	5356	8·0	17·6209	22·3034
32889	L	5359	9·0	20·1978	10·5114
32976	L	5360	9·2	20·7814	21·9450
33016	L	5362	6·7	21·5800	25·9468

R.A. $15^h\ 4^m$

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
33136	C 7065	9·0	2·5464	5·4691
33104	C 7111	8·8	21·2351	0·1992
33112	C 7113	9·2	23·7685	1·1688
33155	L 5373	9·0	5·1346	8·7334
33218	L 5375	9·0	5·2347	15·7483
33255	L 5378	7·8	7·0346	18·4469
33278	L 5380	8·8	8·3006	20·8913
33269	L 5381	8·4	8·4382	19·7568
33176	L 5383	9·0	9·5383	10·8648
33137	L 5384	8·3	9·6578	5·7543
33221	L 5386	9·1	11·2088	15·0561
33244	L 5390	8·4	13·8736	17·2517
33140	L 5392	9·3	15·3997	5·3682
33167	L 5394	8·3	15·4956	9·4656
33141	L 5396	9·0	17·6798	5·6050
33119	L 5398	8·7	18·6802	2·7121
33226	L 5400	8·8	19·7345	15·7264
33207	L 5402	8·2	20·0425	13·6176
33145	L 5406	8·8	21·1305	5·3287
33312	L 5410	8·0	23·8755	23·2106
33294	L 5412	8·8	25·0872	21·6351
33121	L 5411	9·0	25·1814	2·8654

R.A. $15^h\ 13^m$

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
33409	C 7113	9·2	0·3827	1·1867
33401	C 7121	9·5	4·2579	0·3155
33414	C 7132	9·3	9·6060	1·3087
33404	C 7144	9·2	13·9951	0·6251
33417	C 7146	9·5	14·7274	1·3518
33420	C 7159	9·5	19·4720	1·1775
33421	C 7160	9·5	20·6323	1·2230
33408	C 7162	6·0	20·8221	0·7725
33433	C 7166	8·4	21·2804	2·2790
33662	L 5410	8·0	0·9356	23·2229
33424	L 5411	9·0	1·8298	2·8553
33633	L 5412	8·8	2·1152	21·6228
33451	L 5414	8·6	4·2665	5·3000
33443	L 5421	9·0	7·4399	4·7469
33453	L 5422	8·9	7·5149	5·6288
33495	L 5425	9·2	8·3842	9·6111
33574	L 5431	8·9	10·6852	16·5511
33496	L 5434	9·1	11·3140	9·2315
33498	L 5439	9·1	13·7054	9·4499
33499	L 5440	9·1	13·7555	9·7653
33480	L 5442	9·2	14·0597	7·5674
33564	L 5443	7·0	15·2615	15·4149
33520	L 5444	9·3	15·3524	11·9963
33693	L 5446	7·8	15·8321	25·1525
33445	L 5448	8·0	17·4482	4·3659
33533	L 5449	8·8	18·0153	13·7097
33488	L 5452	9·1	19·8188	8·2089
33446	L 5454	9·4	20·5101	4·1645
33535	L 5456	9·2	20·9700	13·7285
33470	L 5459	9·5	21·9361	6·6098
33582	L 5460	8·9	22·4948	16·6536
33675	L 5461	7·3	22·6612	23·0619
33649	L 5465	8·6	24·0343	21·7789
33528	L 5466	9·0	24·3873	12·6488
33583	L 5467	8·9	24·8709	16·2487

R.A. $15^h\ 22^m$

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
33954	L 5465	8·6	1·0654	21·7882
33841	L 5466	9·0	1·2336	12·6527
33888	L 5467	8·9	1·7900	16·2417
33830	L 5475	8·0	4·3898	11·8860
33732	L 5476	9·5	4·5717	3·1900
33797	L 5478	5·2	5·4337	8·8254
33879	L 5480	9·4	6·8251	15·3620
33854	L 5482	9·0	7·7971	13·5178
33760	L 5483	8·9	10·0594	5·9347
33998	L 5493	8·7	17·4151	25·5846
33775	L 5494	8·6	18·0393	6·4660
33764	L 5495	8·5	18·3567	5·2361
33917	L 5498	8·8	19·9755	17·3332
33847	L 5499	8·8	20·1032	12·7266
33777	L 5500	9·4	21·6230	7·0293
33899	L 5503	9·0	23·1357	16·5694
33953	L 5507	7·0	24·0769	20·5961
33858	L 5510	8·7	25·3087	13·1842
33887	L 5511	8·8	25·5138	15·6423

R.A. $15^h\ 31^m$

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
34102	C 7249	9·3	10·5099	0·8486
34104	C 7267	9·5	15·5500	0·7845
34106	C 7282	9·2	23·8458	0·4114
34328	L 5507	7·0	1·0841	20·6048
34247	L 5510	8·7	2·1658	13·1694
34274	L 5511	8·8	2·4204	15·6225
34151	L 5513	8·6	2·7416	5·2367
34141	L 5514	9·0	3·1475	4·2553
34211	L 5518	8·4	7·1232	11·0127
34193	L 5520	8·0	7·4899	8·4329
34346	L 5521	4·0	7·6324	21·3719
34155	L 5528	8·8	13·4940	5·1701
34122	L 5529	9·2	13·6844	2·0987
34256	L 5533	9·3	16·2730	13·9463
34257	L 5535	9·1	17·4103	12·9755
34158	L 5534	9·0	17·4390	5·3158
34146	L 5536	6·5	17·6569	4·8772
34258	L 5537	9·3	17·7464	13·0871
34378	L 5539	9·1	19·0889	24·3648
34172	L 5543	8·1	20·3181	6·1750
34125	L 5544	9·3	20·9210	2·3316
34371	L 5545	7·6	22·4342	23·5745
34184	L 5547	9·4	23·7341	7·3649
34389	L 5548	8·4	23·7632	25·1971
34186	L 5549	8·4	24·3210	7·4436

R.A. $15^h\ 40^m$

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
34401	C 7282	9·2	0·4448	0·4280
34403	C 7298	8·1	8·3348	0·3670
34420	C 7309	8·0	11·3810	1·1913
34428	C 7332	9·1	18·8752	2·1989
34430	C 7343	9·0	22·4638	2·6668
34479	L 5547	9·4	0·4737	7·3829
34694	L 5548	8·4	0·8635	25·2114
34480	L 5549	8·4	1·0621	7·4495
34494	L 5553	9·0	3·2705	8·6766

R.A. $15^h\ 40^m$ (*continued*)

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
34665	L 5555	8·6	4·2272	22·5420
34445	L 5556	7·5	4·4309	4·5464
34434	L 5558	8·8	5·5252	3·1526
34579	L 5561	8·8	7·2933	15·6767
34508	L 5564	8·8	8·3808	10·4749
34519	L 5565	8·7	8·4198	11·1168
34700	L 5569	7·3	9·6710	25·3289
34688	L 5570	8·8	10·5764	24·6016
34581	L 5571	8·9	11·0224	15·1627
34656	L 5572	7·2	11·0389	21·4751
34474	L 5576	9·1	15·0764	6·6199
34662	L 5579	9·2	19·0200	21·7501
34638	L 5580	8·7	19·4066	20·0910
34569	L 5582	8·6	20·3941	14·8984
34525	L 5583	7·3	21·0957	11·5342
34663	L 5591	9·0	23·2751	21·0581
34455	L 5593	8·9	23·5724	4·8837
34441	L 5596	8·6	24·4999	3·4189
34674	L 5597	9·0	25·5988	22·6857

R.A. $15^h\ 49^m$

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
34828	C 7372	7·3	10·4142	3·1724
34834	L 5593	8·9	0·2619	4·9052
35020	L 5591	9·0	0·2917	21·0833
34826	L 5596	8·6	1·1595	3·4224
35037	L 5597	9·0	2·6476	22·6622
34992	L 5599	9·0	3·0619	19·3735
35008	L 5601	8·8	4·7532	20·1638
35068	L 5604	9·0	6·5417	25·5154
35070	L 5608	8·8	8·2237	25·2774
34961	L 5609	9·0	8·5504	16·0758
34874	L 5610	9·0	8·5814	8·0256
34939	L 5612	8·6	9·9437	14·4103
34965	L 5613	8·9	10·2434	16·2056
34928	L 5615	8·9	10·4278	13·4176
34850	L 5617	9·5	11·1901	5·3248
35001	L 5620	7·8	13·7351	19·4348
35006	L 5627	8·0	21·4266	19·1806
34856	L 5628	9·0	24·1948	5·5823
35061	L 5629	9·2	25·0040	23·1421

R.A. $15^h\ 58^m$

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
35116	C 7429	9·0	4·7107	1·8965
35127	C 7453	5·0	11·5413	2·5694
35159	L 5628	9·0	0·8983	5·5912
35356	L 5629	9·2	2·0625	23·1312
35147	L 5635	7·5	4·5446	4·5019
35380	L 5639	8·8	5·4568	25·5926
35207	L 5640	9·1	5·8700	8·2068
35217	L 5642	8·5	6·0654	8·9876
35334	L 5643	8·5	7·6538	20·4837
35163	L 5646	8·5	8·4225	5·7477
35360	L 5648	6·8	9·8474	23·2192
35385	L 5650	9·4	10·2943	25·3425
35374	L 5651	9·3	11·0779	24·3780
35151	L 5654	9·2	12·3210	4·8976
35323	L 5657	9·5	13·7029	19·7674

R.A. 15h 58m (continued)

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
35276	L 5659	9·1	14·2401	14·7186
35180	L 5661	8·5	14·9914	6·4025
35135	L 5666	9·3	16·5201	3·2696
35136	L 5668	9·5	16·9429	3·7401
35314	L 5669	8·5	17·1889	18·4216
35299	L 5671	8·9	18·0965	16·8178
35367	L 5678	7·3	22·1461	23·2861
35293	L 5679	8·2	22·5476	15·2971
35143	L 5683	7·5	24·5453	3·1449
35229	L 5684	9·0	25·6411	9·7930
35215	L 5687	9·1	25·8401	8·1795

R.A. 16h 7m

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
35421	C 7491	9·0	4·3229	2·5319
35423	C 7506	8·8	9·0817	2·3489
35424	C 7508	8·6	9·6108	2·3560
35403	C 7515	9·0	11·3525	0·6188
35412	C 7518	8·7	12·0319	1·3736
35426	C 7519	9·0	12·2096	2·2255
35414	C 7527	9·4	13·4467	1·5031
35437	L 5683	7·5	1·1996	3·1474
35519	L 5684	9·0	2·4294	9·7723
35507	L 5687	9·1	2·5957	8·1550
35537	L 5697	8·9	6·5677	10·1831
35511	L 5698	8·0	7·0171	8·7753
35594	L 5701	9·0	9·0855	14·5571
35595	L 5704	9·0	9·2840	14·3934
35612	L 5710	8·7	12·2441	15·8215
35614	L 5711	7·7	12·9526	16·0077
35738	L 5718	9·0	16·5069	24·9659
35599	L 5719	9·1	16·6286	14·2730
35697	L 5720	8·3	16·7014	21·7846
35658	L 5724	8·5	19·3212	18·8176
35530	L 5725	8·7	19·4134	9·5676
35719	L 5726	9·0	19·6148	22·9661
35460	L 5728	8·7	20·4219	4·7940
35489	L 5730	9·2	21·4799	6·9146
35532	L 5731	9·3	22·7657	9·2471
35548	L 5735	9·5	24·6881	10·5681
35494	L 5738	9·1	25·0508	6·6604

R.A. 16h 16m

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
35802	C 7568	9·1	4·6522	1·2184
35806	C 7584	8·9	10·3477	0·7549
35824	C 7616	9·4	20·1878	1·9623
35825	C 7617	8·5	20·4978	1·8005
35812	C 7620	9·4	20·9739	0·6814
35963	C 7632	9·2	23·4222	11·2005
35954	L 5735	9·5	1·4923	10·5664
35889	L 5738	9·1	1·7760	6·6524
35940	L 5745	9·5	6·3142	9·5315
35893	L 5746	9·4	6·3794	7·2683
36143	L 5750	7·2	7·5644	25·4668
36110	L 5757	9·0	11·4003	21·9240
35900	L 5758	8·5	12·1613	6·6541
35947	L 5762	8·0	14·3043	9·9690
35917	L 5771	8·8	17·2454	8·0746

R.A. 16h 16m (continued)

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
36070	L 5773	9·0	18·2138	18·3379
36021	L 5774	5·1	18·6608	14·4933
35905	L 5780	9·0	20·9261	7·1788
36002	L 5782	9·2	21·1671	14·0211

R.A. 16h 25m

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
...	C 7671	9·2	12·2699	0·3815
36209	C 7699	9·2	21·9488	1·2911
36461	L 5793	9·1	3·4489	24·6805
36276	L 5794	8·8	4·9376	6·9644
36347	L 5804	9·2	9·2375	12·7472
36394	L 5809	8·7	11·6597	17·2886
36326	L 5810	8·6	11·9448	11·1582
36328	L 5819	8·4	17·0568	10·5173
36351	L 5822	8·5	17·7898	13·2370
36374	L 5824	7·5	18·2360	14·8873
36383	L 5828	9·3	20·6011	15·7987
36416	L 5829	9·5	20·6266	18·9591
36286	L 5830	8·9	20·9452	6·9038
36262	L 5831	7·9	21·8862	5·0834
36274	L 5835	8·2	22·2472	6·1360
36302	L 5836	8·6	23·0446	8·6667
36378	L 5837	7·8	24·1058	14·4609
36318	L 5839	6·9	24·8398	9·5643
36265	L 5840	8·2	25·5687	4·4388
36236	L 5841	9·0	25·6664	2·7376

R.A. 16h 34m

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
36502	C 7721	8·5	7·7266	0·4164
36520	C 7760	8·1	19·6348	1·6347
36652	L 5837	7·8	0·9890	14·4698
36601	L 5839	6·9	1·6238	9·5597
36537	L 5840	8·2	2·2488	4·4210
36521	L 5841	9·0	2·3121	2·7181
36541	L 5846	9·4	4·6143	4·8771
36668	L 5849	8·3	5·9265	16·4820
36608	L 5853	8·6	6·8493	10·7050
36555	L 5856	9·0	7·5994	6·1695
36556	L 5858	9·2	7·9872	6·2988
36657	L 5861	7·2	9·3050	14·9409
36756	L 5862	9·1	9·4779	25·6747
36741	L 5864	9·5	9·6670	23·5315
36669	L 5865	9·1	10·1709	16·7799
36683	L 5866	9·2	11·3069	18·0384
36749	L 5867	9·3	12·4836	24·5411
36533	L 5868	9·0	12·8112	3·5367
36663	L 5869	9·0	12·9581	16·4163
36613	L 5870	8·6	13·2937	10·7007
36724	L 5879	9·3	15·7858	22·0810
36615	L 5880	9·3	15·9717	10·7258
36751	L 5886	9·0	19·4415	24·7434
36550	L 5887	8·3	21·6879	5·1097
36569	L 5888	7·5	21·9774	6·6248
36734	L 5889	2·6	22·0090	22·4103

R.A. 16h 34m (continued)

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
36650	L 5890	7·4	22·5632	13·8409
36586	L 5891	8·5	23·1053	8·4216
36638	L 5893	9·3	23·5046	13·2619
36687	L 5897	9·2	25·1447	17·9131

R.A. 16h 43m

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
36801	C 7795	9·4	5·6335	0·3900
36834	C 7838	6·8	19·1381	2·6478
36809	C 7855	6·1	22·7388	0·7630
...	L 5893	9·3	0·3635	13·2837
37004	L 5897	9·2	2·0974	17·9006
37065	L 5899	8·4	2·8321	23·0827
37093	L 5906	8·8	6·5526	25·1280
37067	L 5911	8·4	8·8049	23·2920
36826	L 5913	8·5	9·9558	3·2572
36828	L 5915	9·0	10·1041	3·1001
37032	L 5922	9·4	12·3371	19·8244
36851	L 5925	8·8	13·8748	3·9445
37072	L 5927	9·1	14·7727	22·5499
37055	L 5929	8·5	15·6902	22·2135
37046	L 5932	9·0	17·9277	20·6599
37011	L 5933	8·9	18·3375	18·2600
37097	L 5936	9·0	19·8854	25·0725
36969	L 5939	9·1	21·1264	13·6736
36937	L 5942	9·3	22·2335	10·7443
36900	L 5944	8·8	22·9706	7·9128
37049	L 5947	9·0	23·4096	20·5891
36876	L 5950	8·8	24·5722	4·6490
37116	L 5951	9·0	24·5735	25·8518
37025	L 5953	9·0	25·0833	19·3644
36959	L 5954	9·0	25·3974	12·7906

R.A. 16h 52m

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
37255	L 5950	8·8	1·2568	4·6507
37542	L 5951	9·0	1·6868	25·8492
37453	L 5953	9·0	2·0653	19·3526
37351	L 5954	9·0	2·2465	12·7743
37483	L 5956	9·0	2·8632	21·5209
37530	L 5958	9·0	2·9373	25·1770
37514	L 5962	6·2	5·8086	23·4288
37413	L 5968	8·7	7·9691	16·8543
37290	L 5971	8·1	9·0363	8·2564
37294	L 5972	9·3	10·2940	7·7520
37325	L 5975	8·0	10·7026	11·3943
37386	L 5980	8·0	14·3989	15·0241
37547	L 5982	9·4	14·5948	25·7463
37358	L 5983	8·9	15·3427	13·1710
37420	L 5987	8·9	17·9456	16·4555
37280	L 5989	9·1	18·2166	6·6118
37387	L 5990	8·6	18·5070	14·9651
37523	L 5993	8·8	19·2546	24·3317
37404	L 5992	9·0	19·2941	16·2317
37434	L 5994	9·0	19·3859	18·3944
37524	L 5996	9·0	19·6863	23·9459
37317	L 5997	8·5	19·8974	9·8756
37248	L 5999	9·2	20·5781	4·2729

R.A. 16h 52m (*continued*)

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
37476	L 6000	8·0	21·0844	20·4787
37478	L 6003	9·3	22·9747	20·5442
37361	L 6006	9·2	23·4742	13·1383
37376	L 6008	9·0	23·8936	14·0916
37377	L 6009	3·3	24·4743	13·9371

R.A. 17h 1m

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
37635	C 7972	9·2	7·6463	2·9723
37627	C 8043	9·5	24·9299	1·8410
37753	L 6006	9·2	0·3309	13·1604
37767	L 6008	9·0	0·7693	14·1052
37768	L 6009	3·3	1·3467	13·9388
37876	L 6014	9·0	4·3735	20·5350
37823	L 6015	8·6	4·4993	17·6578
37601	L 6019	9·2	5·2223	0·7363
37633	L 6023	9·4	6·4764	2·6262
37951	L 6024	7·4	6·6416	25·3374
37909	L 6027	8·0	8·1542	22·9935
37953	L 6032	8·8	9·7045	25·8941
37940	L 6034	9·2	10·2688	25·3064
37864	L 6040	7·6	12·3238	19·5984
37786	L 6044	8·6	14·7563	14·9316
37801	L 6045	8·5	15·2832	16·0884
37700	L 6049	8·5	17·5827	7·5785
37787	L 6051	8·2	18·3208	14·8767
37804	L 6053	8·5	18·8009	15·7319
37649	L 6056	8·9	20·3245	4·2840
37710	L 6058	8·6	20·8263	9·1744
37818	L 6061	6·8	21·2142	17·0666
37661	L 6064	8·3	21·8578	4·6829
37891	L 6067	9·2	22·7231	21·1906
37742	L 6077	8·4	25·1504	11·0488
37691	L 6078	8·0	25·5768	6·8188
37692	L 6079	9·0	25·5841	6·7382

R.A. 17h 10m

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
38012	C 8043	9·5	1·5576	1·8361
38015	C 8071	8·3	10·0815	1·3415
38143	L 6077	8·4	1·9644	11·0375
38088	L 6078	8·0	2·3051	6·8000
38089	L 6079	9·0	2·3107	6·7194
38172	L 6084	9·4	4·1755	12·6859
38212	L 6085	9·3	4·6855	15·1433
38243	L 6087	7·5	5·6635	16·5875
38188	L 6088	8·1	6·2829	13·9368
38106	L 6093	9·1	9·7184	7·7748
38048	L 6097	9·0	10·1910	3·6345
38136	L 6100	9·0	10·5461	9·2552
38222	L 6104	9·0	13·7402	14·2870
38197	L 6107	8·8	14·9401	13·8237
38223	L 6108	9·2	16·1541	14·9731
38085	L 6109	8·0	16·5683	5·9669
38224	L 6110	9·2	16·7122	14·5223
38177	L 6116	9·2	18·3232	12·8933
38302	L 6125	7·5	22·3589	20·5504
38285	L 6127	8·5	22·8496	19·7015

R.A. 17h 19m

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
38406	C 8160	9·4	9·9560	0·3924
38790	L 6134	9·2	2·9903	22·0860
38791	L 6135	9·2	3·0497	21·5384
38565	L 6137	9·5	3·5016	9·8670
38863	L 6138	9·3	3·7664	25·8370
38526	L 6139	8·9	4·3260	7·7031
38486	L 6142	9·1	5·1331	4·4318
38793	L 6146	9·1	6·0505	22·0860
38542	L 6148	9·3	6·3912	8·6474
38825	L 6147	9·2	6·3956	23·6419
38489	L 6149	8·4	7·0301	4·8164
38773	L 6150	9·5	7·4079	20·4366
38545	L 6155	9·3	8·7688	8·6453
38721	L 6156	7·5	9·0550	17·2629
38849	L 6162	9·0	9·9313	24·5187
38529	L 6163	9·1	10·7732	7·5130
38667	L 6165	9·1	11·2386	14·4347
38869	L 6166	8·3	11·3141	25·9877
38704	L 6167	9·5	11·6953	17·0255
38548	L 6168	8·5	12·1274	8·4802
38651	L 6174	8·7	14·5635	13·6160
38872	L 6175	9·2	15·6808	25·8290
38695	L 6177	8·8	17·0557	16·1331
38590	L 6182	8·5	18·3560	11·1084
38697	L 6185	9·0	19·5435	15·6896
38479	L 6186	8·8	19·6695	3·7905
38659	L 6191	9·1	21·8937	13·7882
38616	L 6193	8·2	22·3784	11·7181
38673	L 6197	9·1	23·1468	14·7465
38713	L 6199	6·8	23·2012	16·7497
38674	L 6200	8·0	23·2326	14·9603
38639	L 6203	8·8	24·0996	12·4200
38763	L 6205	8·8	24·4137	20·1434
38765	L 6209	9·0	24·7633	19·6164
38480	L 6208	8·7	24·8499	3·3477
38524	L 6212	8·7	25·7702	6·8005

R.A. 17h 28m

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
38901	C 8211	9·4	2·6161	0·3059
38903	C 8219	8·8	3·9753	0·0565
38904	C 8220	9·2	4·2058	0·7224
38905	C 8222	9·0	4·3021	0·0479
38913	C 8271	9·2	15·4593	0·8572
38944	C 8301	9·4	21·2667	2·6933
38931	C 8302	9·3	22·4212	1·3017
39078	L 6203	8·8	0·9414	12·4296
39177	L 6205	8·8	1·4116	20·1451
38947	L 6208	8·7	1·5081	3·3442
39166	L 6209	9·0	1·7506	19·6110
38987	L 6212	8·7	2·4979	6·7779
38971	L 6215	8·1	3·9884	4·9503
39197	L 6219	8·5	6·0258	21·8014
39099	L 6220	9·4	6·1092	14·1062
39123	L 6224	9·1	7·3803	16·4019
39181	L 6225	9·1	7·6407	20·8839
39060	L 6229	9·4	8·2084	10·4499
38974	L 6230	9·2	8·2185	5·1251
39081	L 6232	8·5	8·4178	12·2079
39112	L 6235	5·8	10·7854	15·7919
38980	L 6238	7·1	12·6904	5·7456

R.A. 17h 28m (*continued*)

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
39104	L 6239	9·0	12·8771	14·1143
39253	L 6247	8·6	16·3905	25·4766
39009	L 6248	9·5	17·3206	7·7681
39254	L 6249	9·1	18·0316	25·0820
39243	L 6250	9·2	18·1923	24·8005
39256	L 6251	9·2	18·2658	25·9567
39106	L 6263	9·3	22·4473	14·5921
39032	L 6271	9·4	24·7268	8·2519
39077	L 6273	6·0	25·3809	11·2266

R.A. 17h 37m

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
39303	C 8320	8·5	2·9217	0·3463
39361	C 8327	9·3	5·2531	3·1293
39439	L 6271	9·4	1·4842	8·2498
39486	L 6273	6·0	2·1983	11·2109
39667	L 6276	8·7	3·1568	22·7935
39595	L 6277	9·0	3·4849	19·5909
39596	L 6278	9·0	3·8635	19·5532
39542	L 6280	8·6	4·1208	16·0235
39668	L 6281	9·1	4·4285	23·5284
39386	L 6286	9·2	5·0249	5·0683
39524	L 6287	9·0	5·0870	14·2959
39525	L 6289	8·7	6·1002	13·8258
39374	L 6291	8·5	7·0189	4·2437
39491	L 6294	9·3	7·3613	10·9730
39376	L 6299	7·5	8·9547	4·7276
39683	L 6300	7·7	8·9839	24·3105
39498	L 6304	9·1	9·6386	12·7132
39620	L 6306	9·1	9·9832	19·9472
39493	L 6308	8·7	10·5037	11·3040
39547	L 6309	6·5	10·9017	16·0652
39560	L 6314	7·0	12·8040	17·0984
39561	L 6316	8·3	13·1525	16·9650
39638	L 6319	8·7	15·2359	21·0579
39640	L 6321	8·7	15·9159	21·2628
39414	L 6328	8·6	18·6221	5·8432
39505	L 6330	9·0	19·9132	12·0361
39520	L 6334	9·4	21·5009	12·9616
39649	L 6337	8·1	22·4782	21·4605
39530	L 6338	8·8	22·5666	14·1501
39538	L 6340	7·5	23·4524	15·1217
39471	L 6342	9·0	24·2937	9·6667
39664	L 6343	9·0	24·4313	22·7500
39452	L 6344	8·2	24·7534	8·1365
39453	L 6345	8·7	25·4140	7·8839
39615	L 6346	6·5	25·5560	19·5996

R.A. 17h 46m

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
39853	C 8474	8·3	15·7556	2·4766
39830	C 8477	7·2	15·9074	1·2687
39874	C 8480	8·2	16·2112	4·1358
39855	C 8491	9·2	18·8079	2·3391
39856	C 8503	9·3	20·3842	2·5815
40094	L 6340	7·5	0·3490	15·1441
39979	L 6342	9·0	1·0796	9·6729
40244	L 6343	9·0	1·4820	22·7508
39961	L 6344	8·2	1·5084	8·1340

R.A. $17^h\ 46^m$ (*continued*)

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
39940	L 6345	8·7	2·1638	7·8683
40173	L 6346	6·5	2·5427	19·5780
40097	L 6351	9·2	6·5231	16·0302
39906	L 6354	7·8	7·8110	5·6642
39985	L 6355	8·8	8·1470	10·0544
40064	L 6364	7·7	13·2364	13·8023
40186	L 6369	9·0	13·8567	19·2622
39872	L 6374	9·3	15·9325	3·3357
40106	L 6379	9·0	16·9591	15·7680
40086	L 6380	9·1	17·6078	14·8030
40088	L 6382	8·6	18·7198	14·7540
40313	L 6387	7·0	19·3386	25·4661
39996	L 6388	8·3	19·9121	10·2140
40143	L 6391	9·0	20·4219	17·9143
40050	L 6392	8·7	20·6627	12·2806
40051	L 6393	8·2	21·0572	13·0331
40241	L 6395	9·0	21·6994	22·2527
40089	L 6396	9·1	21·9415	14·4022
40264	L 6397	8·8	22·5885	22·9326
40169	L 6399	9·1	22·7043	18·9922
39918	L 6401	7·9	23·3857	5·7253
40017	L 6402	9·4	23·7663	10·8832
39975	L 6404	9·4	24·0532	8·5355

R.A. $17^h\ 55^m$

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
40415	C 8527	9·0	2·5944	1·4535
40436	C 8570	9·2	10·9482	3·0489
40454	C 8573	4·5	12·1607	3·3714
40424	C 8579	7·7	13·5856	1·6634
40431	C 8621	9·1	22·3627	1·6660
...	L 6401	7·9	0·0922	5·7504
40591	L 6402	9·4	0·5774	10·8997
40565	L 6404	9·4	0·8165	8·5467
40606	L 6410	9·0	2·7344	11·5177
40665	L 6412	8·6	3·6538	17·1548
40728	L 6413	9·2	3·7413	19·9932
40671	L 6415	9·1	5·5991	17·0639
40805	L 6420	9·1	6·7595	24·1963
40494	L 6421	9·0	6·9732	5·6845
40581	L 6424	9·2	7·4166	10·0662
40734	L 6425	9·2	8·2644	19·3648
40471	L 6430	8·7	9·1202	4·6594
40657	L 6442	9·3	12·0415	15·2821
40550	L 6445	9·0	13·2996	8·1746
40586	L 6450	8·0	14·7879	9·8003
40503	L 6452	8·8	16·2890	5·9446
40774	L 6456	9·0	18·7284	21·9679
40576	L 6457	7·0	19·7281	8·7705
40599	L 6461	9·3	21·3244	10·7078
40600	L 6463	8·7	22·0311	10·3715
40559	L 6465	6·7	22·7550	7·6460
40822	L 6466	8·7	23·0495	24·0354
40484	L 6468	8·0	23·6490	5·1939
40834	L 6472	8·0	24·1201	24·3598

R.A. $18^h\ 4^m$

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
40913	C 8692	7·2	16·9153	0·1816
40915	C 8693	8·8	17·8468	0·5582

R.A. $18^h\ 4^m$ (*continued*)

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
40972	C 8716	7·7	22·3892	2·2535
...	L 6468	8·0	0·3448	5·2136
41477	L 6472	8·0	1·2034	24·3669
41028	L 6474	6·7	2·8585	5·6301
41323	L 6476	9·2	3·8877	18·7371
41324	L 6477	9·1	4·2723	18·6712
41079	L 6479	8·6	5·2916	7·5717
41408	L 6488	9·0	8·3610	21·5208
41328	L 6489	8·9	8·5411	19·0516
41233	L 6490	9·0	9·6097	13·7900
40986	L 6491	8·9	10·0260	3·9844
41185	L 6493	8·8	10·7460	11·8389
41436	L 6494	8·2	10·7884	22·1775
41084	L 6496	5·0	11·0166	7·5676
41412	L 6500	9·2	13·0174	21·7487
41334	L 6502	8·8	13·7193	18·9183
41415	L 6503	9·1	13·7296	21·4090
41208	L 6505	7·5	14·0819	12·8012
41336	L 6506	8·0	15·0958	18·3213
41416	L 6509	8·8	15·7796	22·0143
41417	L 6510	9·0	16·0584	22·0605
41418	L 6511	8·9	16·3008	21·1493
41211	L 6512	8·4	16·3955	13·0457
41063	L 6513	7·2	16·4766	6·3678
41421	L 6516	9·0	17·2156	21·6662
41389	L 6518	9·2	17·5661	20·3903
40997	L 6521	8·7	18·1826	3·3451
41162	L 6522	8·0	18·7899	10·8818
41491	L 6530	8·8	20·6549	24·8033
41268	L 6533	8·2	21·1969	15·7730
41317	L 6545	5·0	23·6047	17·6100
41370	L 6548	8·5	25·3049	19·7181
41127	L 6549	9·1	25·6531	8·6986

R.A. $18^h\ 13^m$

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
41649	C 8735	9·2	2·5515	2·9799
41636	C 8750	9·2	4·9518	1·7056
41650	C 8755	9·3	6·1355	2·5464
41652	C 8775	9·5	9·8556	2·4636
41656	C 8784	8·8	12·2736	2·8092
41644	C 8798	9·4	15·1069	1·7007
...	L 6545	5·0	0·5516	17·6287
42028	L 6548	8·5	2·2941	19·7017
41782	L 6549	9·1	2·4194	8·6779
42008	L 6552	9·0	3·3798	18·8041
41822	L 6554	9·0	3·8298	10·4884
42070	L 6556	9·1	5·4793	21·7490
42011	L 6558	8·1	6·1518	19·1224
41805	L 6561	9·4	6·8560	9·8720
42012	L 6564	9·1	7·4564	18·4318
42034	L 6566	9·1	7·6243	19·6608
41824	L 6567	9·4	8·0324	10·6700
41825	L 6569	9·1	8·6320	10·5795
41865	L 6571	9·3	9·2684	12·6378
41724	L 6572	7·1	10·5801	5·3859
41789	L 6573	9·0	11·0942	9·1452
41994	L 6577	9·1	12·0647	17·9692
41753	L 6578	8·9	12·2225	6·4961
42038	L 6582	9·1	14·0607	19·4447
42142	L 6589	9·2	15·9310	24·9437

R.A. $18^h\ 13^m$ (*continued*)

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
42145	L 6590	8·9	17·4087	24·7240
41912	L 6591	8·9	17·5029	14·6929
41775	L 6593	8·9	17·7704	7·5679
41855	L 6596	9·0	18·7535	11·6191
41879	L 6598	9·0	19·3039	12·8400
41898	L 6606	8·0	20·8016	14·2357
41902	L 6610	8·0	22·7400	13·3017
42024	L 6611	9·1	23·0241	19·2519
41951	L 6614	9·0	24·3710	15·7418
41976	L 6616	9·3	24·8068	16·7802
41836	L 6622	9·2	25·7514	10·8103

R.A. $18^h\ 22^m$

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
42203	C 8844	8·0	2·9842	1·0006
42219	C 8853	9·0	4·4903	1·5803
42240	C 8855	9·2	5·1012	2·5324
42220	C 8856	8·8	5·6299	1·8664
42225	C 8899	9·2	12·7753	1·2273
42209	C 8918	9·0	15·0675	0·2361
42215	C 8944	8·5	19·5318	0·5648
42252	C 8945	8·9	19·9680	2·3836
42490	L 6614	9·0	1·2800	15·7453
42516	L 6616	9·3	1·7367	16·7748
42404	L 6622	9·2	2·5598	10·7869
42265	L 6635	8·0	8·1418	3·8177
42313	L 6636	8·0	8·1742	5·6727
42523	L 6637	8·0	8·2771	16·6642
42356	L 6638	8·4	8·5691	7·1850
42499	L 6639	9·0	9·1624	15·5503
42719	L 6641	7·8	9·6834	25·9211
42387	L 6642	8·4	9·9194	9·9684
42477	L 6648	9·2	11·2072	14·3150
42445	L 6651	8·5	12·3957	12·8442
42447	L 6653	9·1	13·0210	12·1580
42676	L 6654	8·0	13·0688	23·2810
42526	L 6656	8·3	13·2777	16·4280
42726	L 6657	8·9	13·4257	25·1376
42653	L 6660	9·0	14·1136	22·4827
42576	L 6663	8·0	14·3687	19·5160
42606	L 6665	9·2	15·4342	20·2872
42424	L 6666	6·8	15·7327	11·8879
42705	L 6668	7·8	16·6629	24·1929
42319	L 6669	9·0	17·3388	5·2077
42480	L 6671	7·7	18·1768	14·6448
42584	L 6674	9·1	19·1183	19·6886
42609	L 6675	8·7	19·1916	20·4692
42666	L 6688	8·2	23·2187	22·4458
42486	L 6689	8·9	23·4261	14·5830
42588	L 6692	8·3	24·6872	19·4042

R.A. $18^h\ 31^m$

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
42828	C 9023	8·3	9·0214	2·0298
42833	C 9051	8·6	15·0921	1·5057
...	C 9057	8·7	16·6114	0·3040
42811	C 9071	9·0	18·4936	0·5664
43409	L 6688	8·2	0·2635	22·4720
43175	L 6689	8·9	0·3117	14·6061

R.A. 18h 31m (continued)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
43276	L 6692	8·3	1·6701	19·4007
43054	L 6696	9·2	3·1034	10·1996
43178	L 6697	8·7	3·1889	15·1476
42878	L 6698	8·8	3·3210	4·3352
42969	L 6715	5·5	7·8521	6·7562
43282	L 6716	8·6	8·5389	19·2497
43092	L 6720	7·5	9·3376	10·7961
43141	L 6724	9·1	10·3000	12·8312
42972	L 6726	8·9	10·5329	6·6957
43514	L 6727	8·3	10·9393	25·6303
43258	L 6728	9·1	10·9652	17·5806
42974	L 6729	8·5	11·2845	6·4401
43354	L 6731	9·0	12·3614	21·3093
43355	L 6734	8·4	12·4258	20·7995
42940	L 6735	8·6	12·5430	6·0136
43465	L 6737	9·0	14·4527	23·8022
43295	L 6741	8·8	15·1208	19·3181
43002	L 6742	9·0	15·2251	7·9543
43191	L 6743	9·3	15·3202	14·5203
42980	L 6746	7·0	16·6909	7·0107
42918	L 6751	7·8	17·4786	5·3196
43494	L 6755	9·0	18·2736	25·1061
43038	L 6758	8·3	19·0052	8·5551
43195	L 6761	9·1	19·8878	14·4048
43304	L 6765	8·5	21·1006	18·8641
43213	L 6764	7·7	21·1196	15·7804
43214	L 6766	8·9	21·2890	15·4631
43215	L 6770	8·7	21·8960	16·3666
43098	L 6771	9·0	22·4245	10·6015
43336	L 6776	9·0	22·6790	20·2635
43044	L 6774	9·1	22·7203	8·6379
43045	L 6775	8·9	22·7405	9·1012
42952	L 6777	7·4	22·9164	5·4029
43170	L 6778	8·5	23·0170	13·8773
43242	L 6779	8·0	23·0534	17·2822

R.A. 18h 40m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
43656	C 9124	8·1	4·2848	3·3854
43658	C 9142	9·0	6·3229	3·3805
43659	C 9143	7·0	6·3331	3·4284
43641	C 9204	8·7	16·9177	2·2513
43650	C 9252	8·8	24·3573	2·2596
43783	L 6785	6·3	3·2544	10·1135
43960	L 6786	8·0	3·6818	19·8480
43980	L 6790	9·4	4·5530	20·4522
43961	L 6792	7·7	4·6232	19·6292
43673	L 6793	8·3	5·0108	4·9038
43963	L 6796	9·0	5·5387	19·9718
43936	L 6797	8·7	5·6426	18·6433
43788	L 6799	9·0	6·3463	10·1615
43769	L 6801	8·9	6·3641	9·4669
43964	L 6803	6·5	7·6630	19·2651
44079	L 6808	8·9	9·3570	25·3752
43892	L 6812	9·2	9·8591	16·9435
43851	L 6815	8·0	11·0094	13·4387
44047	L 6816	8·5	11·1791	23·9742
43944	L 6817	9·1	11·8702	18·1046
43679	L 6819	8·0	12·6499	4·6408
43968	L 6820	8·9	12·8974	19·9875
44028	L 6822	5·5	13·2697	22·9567

R.A. 18h 40m (continued)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
43895	L 6823	9·0	13·6820	16·3625
43924	L 6824	8·5	13·7125	17·3675
43817	L 6827	8·8	14·1571	11·8372
43681	L 6831	8·9	14·5966	4·5603
44051	L 6836	9·2	15·7468	23·6135
43709	L 6849	9·0	18·6091	5·0621
43728	L 6854	8·9	19·5398	6·4657
43877	L 6858	9·1	20·0522	15·0122
43729	L 6859	7·8	20·2881	6·7665
43760	L 6860	8·7	20·3579	8·9083
43927	L 6862	9·0	20·5852	17·9859
43902	L 6865	7·3	21·7821	16·5814
43690	L 6866	8·9	21·9517	4·8358
43856	L 6867	9·0	22·1681	13·8075
43858	L 6869	9·0	22·4114	13·2814
43905	L 6870	9·0	22·9353	16·7613
43996	L 6875	6·0	23·6833	20·8026
43765	L 6880	8·5	25·2375	8·1181
43672	L 6883	8·9	25·9684	4·0097

R.A. 18h 49m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
44135	C 9252	8·8	0·9936	2·2660
44137	C 9262	9·5	2·9953	2·2325
44138	C 9284	9·2	6·0048	2·3170
44139	C 9292	8·6	7·4171	3·0738
44122	C 9298	9·0	8·7766	1·9609
44141	C 9299	9·2	8·8999	2·9071
44104	C 9303	8·8	9·8021	0·6789
44146	C 9342	9·3	15·1966	2·5782
44180	C 9352	8·7	17·6147	3·4370
44181	C 9359	9·5	18·2819	3·6499
44154	C 9372	8·1	20·6823	3·2135
44131	C 9390	8·6	22·8938	2·2022
44133	C 9405	9·5	24·3386	2·2318
44493	L 6875	6·0	0·6946	20·8192
44238	L 6880	8·5	1·9921	8·1059
44162	L 6883	8·9	2·6397	3·9838
44452	L 6889	8·5	3·7052	18·3809
44257	L 6891	9·0	4·2456	9·1307
44221	L 6893	8·9	4·2898	6·6091
44240	L 6899	8·8	5·0414	8·0142
44454	L 6900	7·0	5·1994	19·1970
44524	L 6906	8·8	6·0527	21·3900
44166	L 6909	8·7	6·4276	4·1501
44379	L 6911	8·9	7·6904	15·8134
44429	L 6913	8·9	8·0170	17·3742
44170	L 6914	9·0	8·2031	3·8042
44430	L 6918	9·0	8·9804	17·5139
44262	L 6919	8·8	9·6237	8·4925
44323	L 6923	9·0	10·4396	12·5678
44403	L 6924	8·5	10·6983	16·2836
44548	L 6925	8·8	10·7600	23·0957
44223	L 6926	8·6	10·8681	7·1357
44309	L 6930	9·0	12·3212	11·5415
44405	L 6933	8·5	13·0534	16·4377
44192	L 6934	8·5	13·3142	4·7325
44407	L 6937	8·7	13·8050	16·9730
44502	L 6941	9·2	14·4931	21·1840
44328	L 6957	7·5	18·2928	13·2445
44283	L 6959	8·5	18·5861	10·0382

R.A. 18h 49m (continued)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
44229	L 6962	9·1	19·2357	6·8997
44263	L 6963	8·2	19·2410	8·8397
44411	L 6968	9·0	19·9948	16·6079
44351	L 6969	9·0	20·2331	13·6849
44412	L 6971	9·2	20·3691	16·5609
44250	L 6975	8·9	21·4017	7·7011
44490	L 6979	8·6	21·7238	20·1744
44265	L 6978	8·9	21·8200	9·2606
44467	L 6981	9·6	21·9516	19·2709
44266	L 6980	9·5	22·0296	8·9731
44368	L 6984	8·7	22·7076	14·9483
44417	L 6987	9·0	23·2539	16·9789
44352	L 6988	8·8	23·3769	13·8697
44390	L 6989	8·5	23·7023	16·1795
44609	L 6991	8·2	23·9047	25·1281
44585	L 6992	7·4	23·9784	23·4613
44633	L 6994	9·0	24·2769	25·6972
44634	L 7002	8·6	25·2128	25·3300
44474	L 7001	9·3	25·2434	18·9779
44235	L 7005	8·6	26·0094	6·4637

R.A. 18h 58m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
44743	C 9405	9·5	0·9743	2·2386
44701	C 9413	8·7	2·4804	0·5316
44767	C 9423	9·1	3·3416	3·2884
44719	C 9429	9·1	3·5530	1·5865
44721	C 9441	6·9	5·1294	1·4659
44706	C 9485	9·2	11·1054	0·2679
44734	C 9542	9·0	18·6563	1·2360
45042	L 6989	8·5	0·6202	16·1967
45249	L 6991	8·2	1·0035	25·1396
45204	L 6992	7·4	1·0437	23·4714
45250	L 6994	9·0	1·3873	25·7004
45112	L 7001	9·3	2·2176	18·9630
45251	L 7002	8·6	2·3156	25·3140
44855	L 7005	8·6	2·7303	6·4364
45068	L 7015	9·1	4·9071	17·7802
45069	L 7018	9·5	5·3047	17·7530
44793	L 7022	9·1	5·9864	4·6932
45117	L 7024	8·2	6·4807	19·5322
44915	L 7025	9·0	6·7199	9·4976
45089	L 7026	9·0	6·8396	18·7559
45118	L 7027	8·8	7·6200	19·6430
45141	L 7029	9·2	8·4580	20·9855
45257	L 7030	5·8	8·5244	25·0750
45023	L 7031	9·0	8·9579	15·7475
44837	L 7036	8·6	10·9091	5·0138
44961	L 7042	8·8	11·9697	11·1075
45028	L 7045	9·0	12·3459	15·3082
44963	L 7051	8·4	13·3843	11·9558
44803	L 7053	8·5	13·7680	4·6015
44806	L 7054	9·2	14·8490	4·6221
45054	L 7055	8·2	15·2419	16·0499
45032	L 7056	10·0	15·4438	15·7979
45127	L 7058	8·9	15·8527	19·4657
45055	L 7064	9·3	16·9598	16·0513
45128	L 7065	8·5	17·0143	19·3780
44964	L 7067	8·7	18·4395	11·4175
44921	L 7069	9·0	18·7701	9·6109
45275	L 7072	9·0	19·1746	25·1479

R.A. 18h 58m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
44966	L 7073	9·0	19·4219	11·2759
45035	L 7076	8·2	19·5114	15·6070
44881	L 7083	6·5	21·0472	8·0231
45153	L 7085	6·0	21·0550	20·1783
45103	L 7086	8·8	21·2427	18·4321
45061	L 7088	8·0	21·6872	16·4836
45105	L 7091	9·2	22·1701	18·0808
45081	L 7095	9·0	22·9273	17·2321
44951	L 7098	9·0	23·8599	10·7329
44825	L 7099	8·2	24·0820	4·4709
45157	L 7102	8·9	24·8156	20·0893
45109	L 7104	9·3	24·8786	18·1764

R.A. 19h 7m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
45337	C 9607	7·6	4·2790	2·1527
45340	C 9629	7·0	7·7717	2·6988
45366	C 9646	9·2	9·6208	3·2462
45370	C 9656	9·0	11·6387	3·2001
45371	C 9658	9·3	11·7541	3·4593
45310	C 9677	9·4	13·9468	0·8228
45311	C 9679	9·4	14·1456	0·4138
45322	C 9690	9·2	15·3456	1·1609
45324	C 9698	9·0	16·9081	1·2475
45377	C 9699	7·7	16·9138	3·1596
45380	C 9737	7·8	21·9831	3·1651
45524	L 7098	9·0	0·6676	10·7475
45384	L 7099	8·2	0·7631	4·4822
45731	L 7102	8·9	1·8124	20·0839
45684	L 7104	9·3	1·8367	18·1692
45456	L 7114	8·6	5·0069	7·2110
45787	L 7116	9·1	5·7227	22·4835
45562	L 7117	8·7	5·8187	12·2426
45441	L 7118	7·8	5·8148	6·6696
45489	L 7119	9·2	5·8537	8·6339
45490	L 7120	9·1	5·8921	8·6383
45411	L 7121	8·9	5·9408	5·3626
45510	L 7123	9·1	6·8310	9·5380
45807	L 7125	8·4	7·1558	23·8403
45493	L 7127	9·1	7·3720	9·0289
45513	L 7129	8·5	7·8007	9·7700
45389	L 7134	9·0	8·5408	4·3022
45416	L 7139	7·0	9·1657	5·8628
45814	L 7149	7·6	11·4332	23·5938
45867	L 7154	8·6	12·5364	25·8475
45565	L 7155	8·2	12·7247	12·0850
45566	L 7156	9·0	12·7921	13·0053
45693	L 7157	7·3	12·8354	18·6548
45610	L 7158	8·0	12·8670	14·8773
45845	L 7159	8·5	12·9283	24·4310
45611	L 7161	9·1	13·0141	14·6347
45654	L 7167	8·9	15·0771	16·6438
45614	L 7170	6·0	15·3924	14·4002
45850	L 7178	9·2	16·8305	25·1050
45450	L 7188	9·0	18·0770	6·2062
45853	L 7189	9·0	18·2545	24·8436
45532	L 7190	9·0	18·3813	11·0121
45472	L 7197	9·0	19·7903	7·5554
45775	L 7204	9·3	21·3111	21·6834
45777	L 7212	7·0	23·2561	21·2733
45434	L 7218	5·8	24·7247	5·2820
45523	L 7223	8·6	25·9168	9·7454

R.A. 19h 16m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
45904	C 9779	9·3	3·8721	1·1475
45966	C 9816	9·4	10·8033	1·7113
45928	C 9848	9·3	15·1732	1·1352
45979	C 9849	9·3	15·3793	1·8444
...	C 9856	9·2	16·6105	0·2007
45936	C 9861	8·8	17·1998	1·1750
45989	C 9864	8·5	17·4838	2·3083
46054	C 9865	7·7	17·4941	3·1026
...	C 9873	8·2	18·4477	0·3569
46113	C 9878	9·1	19·4075	3·8264
46000	C 9894	7·6	20·4401	1·9604
46006	C 9922	9·5	23·8865	1·9365
...	L 7212	7·0	0·2771	21·2989
46132	L 7218	5·8	1·4221	5·2806
46394	L 7223	8·6	2·7041	9·7190
46485	L 7224	6·8	2·9354	11·3887
46577	L 7225	6·9	3·0155	13·8161
47201	L 7226	8·4	3·1113	25·7626
46833	L 7227	8·2	3·1591	18·3885
46738	L 7228	8·7	3·2301	16·4759
46395	L 7229	9·3	4·1369	9·8659
46539	L 7231	8·0	4·9579	12·5664
47039	L 7238	8·7	6·9264	22·6190
46695	L 7240	9·3	7·1271	16·2653
46794	L 7241	8·2	7·2710	17·6959
46747	L 7243	9·1	7·6666	16·3889
46443	L 7244	6·9	8·2395	11·0896
47044	L 7246	8·8	9·2140	22·4218
46405	L 7249	8·8	10·0681	9·9804
46842	L 7250	8·3	10·1317	19·0505
47213	L 7251	8·9	10·3206	25·5137
46895	L 7252	8·5	10·4607	19·7553
46406	L 7253	9·2	10·5736	9·6517
47159	L 7254	8·9	10·6175	24·7889
46704	L 7260	9·4	11·7748	16·2599
46998	L 7262	7·1	12·0951	22·3786
46805	L 7263	9·0	12·2430	17·9431
46498	L 7264	9·2	12·6346	12·1474
47049	L 7265	9·2	12·7059	22·4080
46499	L 7266	8·9	13·2895	11·8070
46369	L 7267	9·0	13·3504	9·2761
47112	L 7273	7·0	14·5659	23·9456
47115	L 7276	8·6	15·1547	23·9436
46658	L 7280	8·9	15·5045	15·1834
46601	L 7285	9·2	16·7962	13·8499
46857	L 7294	9·0	17·4873	18·7731
46603	L 7295	9·3	17·5658	13·6420
46858	L 7297	9·3	17·6579	18·8634
46460	L 7298	8·8	17·9970	11·4165
47122	L 7300	8·4	18·9824	24·3603
46463	L 7301	8·8	19·1395	10·7053
46667	L 7304	8·5	20·0156	14·8494
46768	L 7305	8·9	20·2377	16·8732
46909	L 7308	8·2	20·2971	19·5460
46864	L 7311	8·0	21·3427	18·6462
46772	L 7314	8·6	22·2020	16·7194
47194	L 7315	8·6	22·4422	25·1102
46619	L 7318	8·9	23·0901	14·3813
46239	L 7320	9·3	23·8815	6·4477
46474	L 7325	7·0	24·4035	11·2750
47024	L 7326	8·8	24·4632	21·8254
46874	L 7328	9·0	25·1888	18·7400

R.A. 19h 25m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
47365	C 9922	9·5	0·5163	1·9520
47515	C 9953	9·0	3·6870	3·9754
47524	C 9970	9·5	5·6492	3·3431
47370	C 9983	8·7	6·9266	2·0496
47531	C 9992	8·8	8·3204	3·5203
47532	C 9998	8·5	9·0304	3·6555
47454	C 10008	8·7	10·5491	2·3503
47327	C 10023	8·6	12·3162	1·0424
47381	C 10030	8·3	13·5957	2·0860
47561	C 10055	8·3	18·1306	3·6816
...	C 10065	9·4	19·2764	0·3654
47404	C 10068	8·8	20·4206	2·2890
47355	C 10072	8·0	20·8076	0·7231
47504	C 10084	9·1	22·7813	2·7122
47509	C 10097	9·2	24·3498	3·2178
47426	C 10101	8·8	25·1473	2·2391
47742	L 7320	9·3	0·6026	6·4626
48038	L 7325	7·0	1·2221	11·2788
48870	L 7326	8·8	1·4952	21·8258
48608	L 7328	9·0	2·1582	18·7261
48776	L 7333	8·2	3·0038	20·3302
47440	L 7337	9·4	4·1617	3·1092
48048	L 7338	8·7	4·3428	10·4357
47979	L 7339	9·1	4·3574	9·8155
48202	L 7343	9·0	6·1942	12·8502
47915	L 7344	9·3	6·6555	8·9766
48350	L 7349	7·9	7·0995	14·5863
48118	L 7351	9·0	7·3768	11·9495
48884	L 7352	9·0	7·4437	21·9404
47921	L 7355	9·1	8·1960	9·2222
47766	L 7357	8·7	8·3548	7·0249
49110	L 7358	9·1	8·5769	25·0688
48208	L 7363	9·3	8·9541	12·7378
47997	L 7365	8·8	9·2204	9·9202
48705	L 7366	9·1	9·4422	20·2189
48361	L 7377	8·1	12·4736	14·6491
48005	L 7380	9·0	12·6686	9·5414
49043	L 7381	7·5	12·6739	23·4416
48362	L 7382	7·8	12·8002	14·5343
48563	L 7384	9·0	13·4126	17·9055
47634	L 7388	7·4	13·8993	5·1027
48567	L 7391	7·0	14·2955	17·9911
47778	L 7392	8·7	14·5735	7·2756
48368	L 7393	8·1	14·7070	15·0020
49134	L 7396	8·1	15·8231	24·8577
48832	L 7401	8·4	17·3906	21·0773
48919	L 7402	7·5	17·4804	22·2505
47712	L 7400	7·5	17·4825	5·5410
48377	L 7405	9·1	18·2874	14·4155
49067	L 7408	9·2	19·1151	24·2242
49146	L 7411	9·2	19·5901	24·7058
48015	L 7412	9·0	19·8814	9·8305
48846	L 7417	8·2	20·5554	20·8830
48233	L 7420	8·1	20·7498	13·0403
48509	L 7427	8·8	22·0968	17·1080
48668	L 7432	8·8	23·0790	18·4893
48182	L 7434	8·7	23·3141	12·1385
48240	L 7435	6·9	23·3672	13·2923
48027	L 7440	8·5	23·9821	10·1278
48858	L 7441	8·9	24·0275	20·7796
47807	L 7442	8·5	24·2346	6·7687
47425	L 7445	9·5	24·5849	1·9107
47894	L 7455	9·0	25·9770	7·5712

R.A. 19h 34m

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
49406	C 10097	9·2	1·0053	3·2244
49363	C 10101	8·8	1·7831	2·2298
49411	C 10151	8·1	6·9954	3·0438
49337	C 10161	9·5	8·1714	1·5908
49306	C 10168	9·1	8·4927	0·2960
49370	C 10171	9·2	8·9695	2·1767
49373	C 10178	7·9	10·2377	2·2123
49416	C 10190	8·0	11·5552	3·3735
49379 / 49380	C 10201	9·0	12·5848	2·5403
49418	C 10207	9·3	13·2156	3·9002
49309	C 10208	9·4	13·2700	0·0543
49420	C 10209	9·4	13·5761	3·3608
49425	C 10216	9·4	14·6340	3·3669
49315	C 10234	5·2	16·7093	0·0749
49428	C 10240	7·4	17·0426	3·1463
49352	C 10266	9·2	19·7416	1·9493
49324	C 10297	8·9	23·9072	0·3392
49358	C 10304	9·0	24·4991	1·2308
49325	C 10305	9·5	24·6602	1·0595
49655	L 7440	8·5	0·7776	10·1403
49522	L 7442	8·5	0·9620	6·7766
50008	L 7441	8·9	1·0384	20·7893
49328	L 7445	9·5	1·2142	1·9126
49555	L 7455	9·0	2·7203	7·5443
49950	L 7460	8·8	3·7474	18·3243
49703	L 7464	9·3	4·3914	11·8704
49704	L 7465	9·0	4·4709	11·8957
49869	L 7466	9·1	4·4986	16·5190
49600	L 7467	9·2	4·6568	8·0552
49559	L 7469	9·0	5·2292	7·7165
50175	L 7468	9·0	5·2374	24·3738
49560	L 7470	9·0	5·2970	7·8742
49803	L 7474	9·0	5·8346	14·6420
49917	L 7477	9·2	6·3686	17·6262
49763	L 7479	7·6	6·9522	13·6790
49630	L 7483	9·2	7·4266	9·4737
49805	L 7484	8·8	7·6166	14·7657
49806	L 7485	9·1	8·1016	14·5817
49631	L 7486	9·1	8·1962	9·0672
49882	L 7487	8·0	8·7407	16·6670
49667	L 7494	8·5	9·3378	10·4548
49986	L 7495	9·1	9·6145	19·2892
49769	L 7496	8·2	9·6176	13·1530
49771	L 7497	8·5	9·7915	14·0037
49376	L 7500	9·3	10·4930	2·3891
50102	L 7501	8·5	10·9455	22·9882
50072	L 7502	7·8	11·4174	21·0928
50073	L 7505	8·2	12·0309	21·3711
49888	L 7506	8·9	12·2068	16·1026
49992	L 7508	8·1	12·7635	19·3275
49993	L 7517	7·5	14·0940	19·3750
50032	L 7518	8·8	14·3517	20·9608
49891	L 7519	8·8	14·4653	16·6276
49743	L 7522	7·9	14·9240	12·8993
49637	L 7523	9·0	14·9418	9·2329
50111	L 7526	8·8	15·2092	22·3588
50037	L 7527	8·2	15·4789	20·2763
49893	L 7528	8·5	15·5006	16·9611
49719	L 7534	9·0	16·2570	12·0283
49502	L 7536	9·4	16·5879	5·9342
50038	L 7537	8·7	16·7436	20·7196
49537	L 7541	9·0	17·6226	6·1029
49347	L 7542	9·5	17·7686	1·7552

R.A. 19h 34m (*continued*)

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
49582	L 7543	9·0	17·8986	7·7104
49640	L 7546	9·3	18·2960	9·9570
49998	L 7547	9·0	18·3828	19·8520
50121	L 7551	7·6	18·9568	22·9056
49641	L 7550	8·9	19·0498	9·6361
49819	L 7553	8·5	19·3313	14·5223
49779	L 7554	9·4	19·3887	13·8378
49781	L 7555	9·0	19·5167	13·7749
49897	L 7560	8·5	20·0513	16·5543
49853	L 7561	7·1	20·1612	15·1076
50202	L 7564	8·4	20·4396	24·6969
49643	L 7563	9·0	20·5233	9·7971
50164	L 7565	8·7	20·6531	23·3025
49541	L 7572	8·8	21·5417	6·1429
49542	L 7574	7·5	21·6130	6·8823
49590	L 7576	6·5	22·6877	7·9191
49688	L 7577	8·9	22·8318	10·7886
49902	L 7579	8·8	23·5749	16·1743
49905	L 7581	8·1	23·9015	16·7209
50050	L 7582	8·9	24·0392	20·2474
49649	L 7584	9·2	24·3875	9·5110
50005	L 7589	8·3	24·7733	19·1940

R.A. 19h 43m

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
50301	C 10297	8·9	0·5047	0·3547
50302	C 10304	9·0	1·1146	1·2347
50303	C 10305	9·5	1·2722	1·0601
50308	C 10320	7·3	3·3720	0·9663
50333	C 10377	8·3	9·7693	1·1609
50526	C 10387	8·7	10·5579	2·4516
...	C 10394	9·0	11·5224	0·0424
50533	C 10408	8·4	12·7212	3·2506
50457	C 10410	9·2	13·6697	1·5188
50535	C 10417	8·9	14·4027	3·1528
50622	C 10420	9·2	15·0124	4·0475
50540	C 10427	9·5	15·9377	3·3322
50633	C 10436	9·5	17·1329	3·4069
50642	C 10447	9·4	18·5323	3·3473
50476	C 10455	9·3	19·3943	2·0019
50390	C 10480	9·2	22·2219	0·4412
50735	C 10485	9·1	22·4852	4·4740
50493	C 10508	9·4	25·3434	1·4715
51596	L 7579	8·8	0·4914	16·1940
51688	L 7581	8·8	0·8303	16·7340
51965	L 7582	8·9	1·0396	20·2572
51098	L 7584	9·2	1·1704	9·5153
51867	L 7589	8·3	1·7520	19·1887
50758	L 7592	6·2	3·2393	6·3128
51109	L 7597	8·5	3·7449	9·3868
52165	L 7599	8·2	4·1395	21·7707
50762	L 7600	8·8	4·2092	5·3755
51462	L 7601	9·2	4·2916	13·6951
52458	L 7604	9·0	4·7505	25·9316
52248	L 7606	7·8	4·8353	23·1119
52091	L 7608	8·8	5·4677	20·6339
52177	L 7614	9·0	7·1465	21·5326
52106	L 7618	9·3	8·0558	20·7053
51987	L 7620	9·0	8·2911	20·3532
51543	L 7622	7·3	8·8481	15·1816
50950	L 7623	8·4	8·8717	7·7005

R.A. 19h 43m (*continued*)

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
50784	L 7629	8·8	10·5866	5·4192
51131	L 7630	8·4	10·6411	9·4686
52339	L 7634	7·2	11·4509	23·4631
52271	L 7635	9·2	11·6084	22·4111
51223	L 7642	8·1	12·4288	10·4584
52275	L 7646	9·4	13·0811	22·9246
50965	L 7651	7·9	13·9176	8·1195
51063	L 7652	9·0	14·1300	8·7838
51560	L 7653	8·1	14·2019	15·2163
51144	L 7654	8·2	14·3482	10·1618
52349	L 7656	9·0	14·7758	24·0421
52013	L 7658	8·1	14·9012	19·6415
51652	L 7663	6·5	15·7872	16·0914
52284	L 7665	8·8	15·9426	23·2773
51401	L 7666	8·9	16·1303	13·1886
51934	L 7670	8·8	16·8004	18·7336
51403	L 7671	8·5	16·8717	12·5455
50974	L 7672	9·1	16·9706	7·9723
51830	L 7673	8·5	17·1626	17·7731
51744	L 7674	8·7	17·3575	16·9225
50975	L 7675	7·8	17·4889	7·9835
52036	L 7679	9·3	18·2908	19·8510
51498	L 7680	8·3	18·4205	13·5380
52357	L 7682	9·0	18·6303	24·2460
52039	L 7685	8·9	19·2814	19·3983
50987	L 7687	9·2	20·2245	8·3761
51412	L 7691	8·7	20·5254	12·6271
52139	L 7692	9·2	20·6686	20·5630
51664	L 7694	9·0	21·6669	15·3873
51666	L 7695	9·2	21·7194	15·9583
52440	L 7698	8·8	21·7766	24·6865
51161	L 7696	9·2	21·8321	10·3220
50903	L 7699	8·1	22·0329	7·1815
51751	L 7701	8·4	22·2481	16·7261
51673	L 7710	9·2	23·2867	16·1747
51352	L 7718	6·8	25·2463	11·6854

R.A. 19h 52m

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
52692	C 10508	9·4	1·9635	1·4588
52877	C 10523	9·0	3·1308	3·9206
52694	C 10531	9·0	4·5484	2·3684
...	C 10534	8·4	4·7729	0·1735
52698	C 10547	9·3	5·5665	1·6451
52609	C 10550	9·2	5·6578	1·3455
52894	C 10576	8·7	8·7559	4·3131
...	C 10595	6·9	10·7143	0·1727
52899	C 10609	8·9	11·8437	3·9700
52735	C 10645	9·4	16·0185	1·5198
52739	C 10653	9·4	16·8097	1·5411
52921	C 10676	9·3	20·2546	3·7267
52762	C 10680	8·8	20·5272	2·1452
52855	C 10693	9·5	21·8636	3·4852
53756	L 7710	9·2	0·2046	16·2002
53479	L 7718	6·8	2·0731	11·6722
53835	L 7722	7·6	2·9044	17·1966
53551	L 7723	8·9	2·9703	13·1850
53920	L 7724	7·5	3·0047	18·4432
54102	L 7727	8·4	3·3669	19·5020
53251	L 7728	9·2	3·4465	9·2430
53252	L 7729	8·4	3·5073	8·8933

R.A. 19ʰ 52ᵐ (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ'. (Standard Co-ordinates, 1900·0.)	η'. (Standard Co-ordinates, 1900·0.)
53924	L 7730	9·3	3·6112	17·8446
53626	L 7731	8·9	3·8993	13·9305
54203	L 7734	8·8	4·8184	21·2924
53932	L 7736	9·1	5·4972	17·5578
52889	L 7744	9·3	7·6894	3·7141
53784	L 7747	8·9	8·3975	15·5797
53048	L 7752	7·8	8·8076	6·3093
54412	L 7756	8·9	9·4931	22·7738
54131	L 7759	8·8	9·8842	19·8745
53055	L 7762	8·6	10·6417	5·7531
53057	L 7764	7·3	10·7088	6·0782
53873	L 7765	9·5	10·7957	16·6846
54046	L 7771	8·5	11·3331	19·0442
53875	L 7773	8·8	11·7269	17·3454
54049	L 7776	8·6	12·7864	18·5318
53195	L 7777	9·0	13·0972	8·3436
53718	L 7779	9·4	13·7181	14·6222
53648	L 7784	9·0	14·1674	14·2339
53279	L 7788	6·5	14·9128	9·1425
54353	L 7790	8·0	15·0105	22·1393
53437	L 7793	9·1	15·9250	10·6650
53136	L 7796	7·2	16·0215	7·1154
53137	L 7797	9·4	16·0473	6·6648
53438	L 7798	8·5	16·0684	10·6908
53282	L 7800	8·9	16·1122	9·2788
53204	L 7802	8·4	16·1370	8·0599
52736	L 7799	9·5	16·1394	1·6279
53442	L 7803	9·0	16·7837	11·0119
53597	L 7806	7·7	17·5557	12·7237
54064	L 7810	9·5	18·4318	18·8678
53731	L 7813	8·4	19·3615	15·4911
53447	L 7817	9·2	19·7700	11·0729
53448	L 7820	9·0	19·8752	10·5092
53371	L 7819	5·8	19·8784	9·5681
53215	L 7823	9·0	19·9705	8·0265
53898	L 7830	9·0	20·6742	17·1951
54468	L 7840	8·3	21·8071	23·0610
53223	L 7836	9·3	21·8572	7·6755
54173	L 7845	6·9	22·5264	19·6711
53226	L 7842	9·0	22·5733	7·6951
53304	L 7844	8·0	22·6241	8·7246
54174	L 7847	8·1	23·0966	19·9162
54175	L 7848	9·2	23·1600	20·2542
53526	L 7849	9·2	23·4273	11·7270
53828	L 7859	9·3	25·2866	15·7271
53613	L 7861	6·9	25·9224	12·5217

R.A. 20ʰ 1ᵐ

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
...	C 10742	8·1	3·9683	0·3289
54856	C 10750	9·0	4·5848	1·9524
54964	C 10785	9·4	9·4348	3·4964
54969	C 10801	8·4	11·0759	4·1128
54970	C 10807	9·3	11·5745	3·6325
54814	C 10810	9·0	11·8782	0·7720
54923	C 10815	9·2	12·2444	2·5057
54975	C 10818	8·4	12·5157	3·6736
54875	C 10834	8·1	14·8120	1·5365
54933	C 10841	9·4	15·4472	2·5099
54934	C 10842	8·9	15·5246	3·0940
54986	C 10853	9·0	17·3240	3·6436

R.A. 20ʰ 1ᵐ (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
54991	C 10874	8·9	20·6182	3·4311
54943	C 10878	9·1	20·8087	3·0051
54836	C 10892	8·5	21·8061	1·0903
54993	C 10893	8·7	21·8514	3·7686
54893	C 10896	8·9	22·4488	1·5791
54995	C 10907	9·1	23·5754	4·1363
...	C 10913	9·3	24·1267	0·2670
...	C 10918	9·0	24·7980	0·1299
55735	L 7848	9·2	0·1604	20·2819
55346	L 7849	9·2	0·2551	11·7504
55538	L 7859	9·3	2·1950	15·7122
55393	L 7861	6·9	2·7658	12·4946
55258	L 7865	9·4	3·7529	9·6935
55540	L 7867	8·8	3·9087	16·0694
55687	L 7969	8·9	3·9637	18·9718
55216	L 7871	9·5	4·2239	9·1009
55943	L 7870	8·8	4·2451	23·2161
55217	L 7873	9·5	4·5778	9·1333
55641	L 7878	8·4	5·1637	17·5453
55305	L 7879	7·0	5·1726	11·0945
55544	L 7881	9·0	6·0327	15·3887
55592	L 7884	8·7	6·3636	17·1284
55062	L 7886	9·9	6·6381	5·5075
55218	L 7888	9·0	6·7722	9·3150
55653	L 7891	8·8	7·5056	18·0155
55839	L 7892	6·7	7·5965	21·1524
55842	L 7896	8·0	8·5622	20·6724
56053	L 7899	8·4	9·4030	24·8907
56100	L 7902	8·9	9·6138	25·6106
55774	L 7903	9·0	9·7690	19·6816
55706	L 7904	8·2	9·9151	18·5564
55957	L 7905	9·2	9·9676	23·3403
55776	L 7907	9·0	10·0134	19·9152
55324	L 7908	8·4	10·3414	11·0988
55406	L 7910	7·4	11·0552	12·5139
56015	L 7913	8·6	11·1400	23·4791
55661	L 7912	8·8	11·1401	17·8006
55854	L 7915	8·1	11·3749	20·8343
55712	L 7919	8·3	11·8676	18·9247
55133	L 7922	8·4	12·1358	6·3698
56022	L 7923	6·0	12·1950	24·2186
55909	L 7926	9·0	12·5302	22·1153
55910	L 7927	9·1	12·9405	21·4593
56025	L 7928	8·8	13·0101	23·7275
55861	L 7931	8·6	14·3399	21·2349
55469	L 7939	9·4	15·5248	13·5610
55231	L 7941	9·0	15·7057	8·3827
55719	L 7944	8·7	16·4354	19·1476
55377	L 7947	8·7	17·3480	12·0725
55973	L 7948	9·0	17·5803	22·4553
55414	L 7950	8·7	17·9002	12·5671
56068	L 7955	8·9	18·3866	24·9701
55976	L 7956	9·0	18·6492	23·3332
55288	L 7957	8·9	18·9639	9·6259
55569	L 7959	8·9	19·3572	16·1901
55420	L 7962	9·0	19·9215	13·1386
55980	L 7963	8·0	20·0872	22·5029
55202	L 7964	9·1	20·2202	7·6940
55981	L 7968	9·3	20·4056	23·2068
55203	L 7966	8·3	20·4781	7·4305
55521	L 7971	9·3	20·5610	15·0772
55984	L 7974	9·3	21·3464	23·0734
55808	L 7976	9·2	21·5564	19·6720
55985	L 7981	8·7	21·9338	22·7763

R.A. 20ʰ 1ᵐ (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
55986	L 7982	9·4	21·9381	23·3628
55575	L 7985	8·1	22·4472	16·0491
55426	L 7986	9·0	22·6573	13·1449
55527	L 7987	9·0	22·7261	15·1416
55482	L 7992	8·0	23·7250	14·2050
55160	L 7990	9·5	23·7771	6·3584
55385	L 7996	9·3	24·1148	11·9077
55104	L 8000	8·8	24·9135	6·1394
55937	L 8004	9·0	25·1378	21·9521
55988	L 8006	8·6	25·5807	23·1754

R.A. 20ʰ 10ᵐ

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
56365	C 10907	9·1	0·2498	4·1577
...	C 10913	9·3	0·7228	0·2782
...	C 10918	9·0	1·3911	0·1284
56210	C 10950	7·8	3·9219	0·7666
56258	C 10965	9·1	5·6083	1·6726
56317	C 10988	9·3	7·9510	2·8580
56321	C 10993	9·4	8·4849	3·0598
56385	C 10994	9·5	8·4999	3·4513
56265	C 10997	8·9	8·5636	1·8291
56225	C 11004	8·9	9·8167	0·9247
56325	C 11012	8·3	10·4422	3·1291
56330	C 11017	9·4	11·7952	3·0298
56394	C 11026	9·3	12·9590	3·5377
56332	C 11027	9·3	12·9923	2·6849
56274	C 11029	9·1	13·3142	1·7064
56337	C 11038	8·7	14·5387	2·5938
56406	C 11064	9·2	17·6299	3·4355
56343	C 11066	9·2	17·8911	3·1727
56350	C 11081	9·4	19·7957	3·0595
56245	C 11094	9·3	21·2956	0·9518
56246	C 11105	7·8	22·0298	1·1733
56301	C 11119	8·0	24·3563	1·7097
56364	C 11127	9·4	25·5737	2·8726
56418	C 11128	9·2	25·6484	3·9013
56522	L 7990	9·5	0·4964	6·3755
56857	L 7992	8·0	0·6031	14·2221
56784	L 7996	9·3	0·9463	11·9173
56468	L 8000	8·8	1·6282	6·1341
57201	L 8004	9·0	2·1722	21·9383
57246	L 8006	8·6	2·6397	23·1524
56790	L 8007	8·0	3·0654	12·2190
56792	L 8012	9·3	3·8348	11·3244
57204	L 8014	8·3	3·8976	21·5230
56577	L 8015	9·3	3·9206	7·4605
56476	L 8017	9·0	4·1083	5·9967
56642	L 8018	9·0	4·1613	9·1203
56532	L 8026	6·8	4·9879	6·9417
57351	L 8031	7·5	5·7326	24·8944
56944	L 8032	8·5	6·0168	15·8104
56875	L 8034	8·7	7·2422	14·0021
56742	L 8035	9·2	7·2913	11·0625
57106	L 8039	9·2	8·5772	19·6663
57258	L 8042	8·0	8·8046	22·3924
56589	L 8043	8·7	8·8427	8·1360
56879	L 8044	9·5	9·1112	13·5656
56841	L 8046	9·2	9·4832	12·5031
56880	L 8050	9·2	9·7853	13·3435
57359	L 8053	8·8	10·0102	25·1622

R.A. 20h 10m (*continued*)

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates 1900·0. ξ′.	η′.
56752	L 8058	8·5	10·8482	10·7347
57270	L 8070	9·5	12·2680	22·3559
56953	L 8072	8·7	13·3613	16·1274
56548	L 8073	9·0	13·5656	7·0873
57403	L 8075	8·8	13·7630	25·3932
57170	L 8076	7·0	13·7803	21·3277
56605	L 8077	8·9	13·8930	8·1345
56921	L 8078	8·0	14·1036	15·2005
57272	L 8084	8·7	14·5559	22·8675
56956	L 8087	8·5	15·3652	15·7361
56809	L 8089	8·6	15·4163	12·0045
56449	L 8091	9·3	15·8593	4·7791
56849	L 8097	9·0	17·0944	12·6033
56499	L 8098	8·8	17·3190	6·2314
56814	L 8099	7·7	17·4255	12·2528
57409	L 8100	8·8	17·7590	25·4474
57227	L 8102	9·0	17·9967	21·5387
57175	L 8105	8·6	18·1791	20·5363
57410	L 8106	8·9	18·1806	25·5089
57176	L 8107	8·7	18·5223	20·4263
57281	L 8111	8·0	20·1706	22·5565
57416	L 8113	7·2	20·2446	25·8789
56958	L 8114	9·2	20·3549	15·4555
56959	L 8116	6·5	20·5026	15·3775
56961	L 8122	9·2	21·1866	15·9743
56673	L 8121	9·0	21·2031	9·1106
57286	L 8125	8·8	22·6686	22·9312
56514	L 8132	8·7	24·0058	5·4832
57290	L 8136	7·0	24·2967	22·6492
56568	L 8135	8·2	24·4039	7·1628

R.A. 20h 19m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
57550	C 11119	8·0	0·9814	1·7163
57614	C 11127	9·4	2·2221	2·8549
57679	C 11128	9·2	2·3177	3·8820
57746	C 11137	8·9	3·2921	4·7517
57683	C 11148	8·7	4·2154	4·2038
57616	C 11151	9·4	4·5924	2·5339
57617	C 11154	9·0	5·2970	2·5228
57692	C 11182	8·7	8·5420	4·3979
57567	C 11184	8·9	8·7665	1·5447
57632	C 11187	9·5	8·8692	2·8117
57695	C 11189	7·4	8·9634	4·2588
...	C 11204	9·2	10·7469	0·4184
57520	C 11238	9·3	13·8409	1·1544
57773	C 11241	8·9	14·2315	4·7739
57719	C 11268	9·3	17·6136	3·7267
57720	C 11273	7·9	18·1329	3·9256
57593	C 11294	9·2	19·8121	1·7517
57595	C 11302	9·4	20·6864	1·9465
57668	C 11305	9·3	20·8745	3·1185
57597	C 11311	9·3	21·6247	1·9615
57731	C 11319	9·5	22·4059	4·3016
57601	C 11324	7·4	23·1080	1·5265
57607	C 11336	9·2	25·0213	1·5308
57738	C 11340	9·0	25·3552	3·5576
57739	C 11341	9·4	25·3780	3·9780
57741	L 8132	8·7	0·7074	5·4959
57879	L 8135	8·2	1·1393	7·1673
58641	L 8136	7·0	1·3453	22·6529

R.A. 20h 19m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
58591	L 8148	7·0	4·1533	21·8340
58365	L 8151	9·0	4·9522	17·4585
58542	L 8154	9·4	5·3714	21·3952
58547	L 8159	7·2	6·6941	21·5023
57894	L 8161	8·5	7·1632	6·5340
58603	L 8164	8·8	7·9082	21·8521
58326	L 8168	8·5	8·6182	15·9318
57955	L 8170	7·6	8·7860	7·5638
58751	L 8172	7·9	9·3679	24·9448
58140	L 8179	8·8	10·8007	12·2078
58796	L 8180	8·9	10·9814	25·7745
58754	L 8182	8·6	11·2573	24·8974
58755	L 8183	8·5	11·4898	24·9544
58143	L 8184	6·5	11·9683	12·3432
58331	L 8187	7·0	12·3801	15·7312
58275	L 8192	8·1	13·8088	15·2760
58613	L 8194	8·7	13·9546	21·9286
57961	L 8193	8·4	13·9821	7·7100
58805	L 8196	8·5	14·1542	25·9717
57845	L 8197	8·7	14·7101	6·3378
58375	L 8198	8·0	14·7254	17·2607
58671	L 8200	5·0	15·2075	23·4124
58616	L 8202	9·0	15·7021	22·2205
58061	L 8203	8·0	16·3538	9·7156
58675	L 8205	9·3	16·5307	22·4999
58726	L 8207	8·6	16·9778	23·6087
58013	L 8208	9·0	17·1378	8·6526
58382	L 8211	9·0	17·7162	16·9539
58238	L 8213	9·0	18·0166	14·0057
58101	L 8217	9·0	18·2646	11·0916
58566	L 8219	8·8	18·3826	20·8205
58242	L 8227	9·2	21·1213	13·6711
58288	L 8229	9·0	21·3512	14·8609
58524	L 8230	9·2	21·3888	19·8540
58193	L 8232	8·8	21·7852	12·7870
58199	L 8239	8·7	23·5319	12·9454
58432	L 8243	9·0	24·3952	18·0408
58475	L 8244	9·3	24·6464	19·3834
58822	L 8246	8·8	24·7868	25·9238
58476	L 8247	9·5	25·1042	19·4330
58779	L 8249	9·2	25·8285	25·0896

R.A. 20h 28m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
58954	C 11336	9·2	1·6429	1·5242
59046	C 11340	9·0	2·0176	3·5440
59047	C 11341	9·4	2·0488	3·9640
58961	C 11382	8·9	5·4729	1·9651
58910	C 11387	4·2	6·0137	1·4330
59060	C 11406	7·9	7·5618	3·6795
59014	C 11407	9·5	7·6714	3·1893
58969	C 11423	9·5	9·4493	1·6100
58918	C 11426	9·4	9·6825	1·0874
...	C 11429	8·7	9·8747	0·4310
...	C 11443	7·5	12·0331	0·0619
58927	C 11460	9·0	14·8606	1·1886
59033	C 11500	8·9	20·8508	2·8590
58941	C 11502	9·0	21·0816	1·5251
58996	C 11516	8·6	22·9572	1·9727
59000	C 11536	9·3	25·6202	2·2191
59481	L 8239	8·7	0·3846	12·9664
59732	L 8243	9·0	1·3505	18·0434

R.A. 20h 28m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
59785	L 8244	9·3	1·6290	19·3806
60157	L 8246	8·8	1·9016	25·9167
59786	L 8247	9·5	2·0877	19·4206
60102	L 8249	9·2	2·9262	25·0612
59112	L 8254	9·5	3·8213	5·3782
59312	L 8253	8·7	3·8295	9·3234
60053	L 8251	8·5	3·8699	23·7419
59492	L 8256	8·8	4·0588	12·6891
59396	L 8258	9·0	4·5829	11·2960
59904	L 8260	8·9	4·8622	20·6923
59850	L 8264	8·8	5·6197	20·3106
60010	L 8270	9·4	7·2376	22·7069
59283	L 8272	8·4	8·0733	8·0930
59861	L 8281	9·5	10·7234	20·4808
59756	L 8302	8·0	15·5642	17·7410
59295	L 8301	9·0	15·5785	8·1578
59715	L 8303	7·6	15·6697	16·8005
59189	L 8307	8·8	16·4800	6·0869
60086	L 8309	8·9	16·7848	24·1704
59873	L 8310	8·5	16·8237	19·7838
59191	L 8313	9·5	17·5641	6·0794
60029	L 8314	8·6	17·7142	23·0630
59984	L 8315	8·6	17·9530	21·8123
59618	L 8322	8·5	19·1573	15·4590
59374	L 8323	9·4	19·3565	9·6004
59988	L 8324	9·0	19·5703	22·4245
59196	L 8327	9·0	20·1171	6·1061
59935	L 8330	8·2	20·6126	21·3074
59829	L 8336	9·0	21·1568	18·7638
59202	L 8345	8·8	24·7081	6·3681
59583	L 8346	8·9	24·9824	13·7291
59724	L 8349	8·7	25·5256	17·2052
60155	L 8350	7·1	25·5857	25·1003

R.A. 20h 37m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
60321	C 11536	9·3	2·2554	2·2005
60346	C 11540	9·5	2·7424	3·3477
60323	C 11554	9·2	4·6901	2·3359
60379	C 11560	7·2	5·3021	3·7435
60304	C 11572	6·5	7·4820	0·8211
60356	C 11587	7·8	9·0357	2·8206
60384	C 11594	9·0	9·8782	4·1303
...	C 11613	9·0	12·2542	0·2915
60336	C 11659	9·2	18·1868	2·2125
60367	C 11678	9·3	21·4280	3·2746
60411	C 11689	9·4	22·0688	4·6445
60316	C 11694	9·1	22·6325	1·0019
60397	C 11714	9·5	24·5649	3·6113
60415	C 11715	4·4	24·7430	5·3086
60416	C 11717	8·5	25·1693	4·5809
60372	C 11718	9·5	25·2697	3·3456
60419	L 8345	8·8	1·4273	6·3670
60629	L 8346	8·9	1·8505	13·7207
60707	L 8349	8·7	2·4640	17·1850
60946	L 8350	7·1	2·6836	25·0766
60920	L 8351	9·3	2·9490	24·2370
60459	L 8352	9·0	3·3564	7·1650
60537	L 8355	8·4	3·6986	10·0501
60505	L 8356	8·0	3·7877	8·8805
60859	L 8357	7·5	3·8804	21·5038
60686	L 8358	6·2	3·9280	15·7120

R.A. 20h 37m (continued)

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
60658	L 8360	6·4	3·9767	15·1168
60962	L 8363	8·2	4·6362	25·5459
60963	L 8365	9·0	4·7584	25·6784
60687	L 8366	9·2	4·7909	16·2825
60824	L 8368	8·6	4·9678	20·8369
60736	L 8370	8·1	5·2233	17·9452
60562	L 8372	8·5	5·5051	10·5280
60861	L 8374	8·5	5·6524	21·7520
...	L 8375	9·4	5·7935	0·0021
60826	L 8377	8·8	5·9633	20·6374
60636	L 8379	9·0	6·7873	14·2359
60542	L 8380	8·3	7·6235	9·6677
60567	L 8381	8·5	8·7163	10·5957
60545	L 8383	8·1	8·8571	10·1101
60430	L 8385	9·3	9·0624	6·0654
60466	L 8386	7·5	9·1352	6·5442
60692	L 8388	8·9	9·3784	16·0825
60800	L 8394	8·8	11·3436	19·5042
60614	L 8397	8·3	11·7670	13·0393
60929	L 8402	6·0	12·9860	24·4220
60598	L 8406	7·5	13·5474	11·7334
60778	L 8407	9·1	13·7498	19·1542
60780	L 8410	9·2	14·1520	18·4700
60474	L 8414	9·2	14·9786	6·5902
60618	L 8418	6·8	15·4253	12·4415
60476	L 8419	9·0	15·5969	6·6770
60549	L 8421	9·0	16·0969	10·0062
60909	L 8428	9·0	17·4666	22·7316
60805	L 8429	8·7	17·7647	19·5321
60724	L 8443	8·0	21·6031	17·0342
60676	L 8445	8·7	21·6541	14·8171
60482	L 8447	8·7	22·1253	6·5630
60788	L 8448	8·6	22·2169	18·9466
60941	L 8449	8·5	22·2602	24·1795
60529	L 8451	9·1	22·7106	9·0222
60501	L 8453	9·0	23·1591	7·4951
60758	L 8454	8·0	23·5889	17·9792
60531	L 8456	8·5	24·3459	9·1502
60917	L 8460	9·0	25·5729	22·8479

R.A. 20h 46m

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
61108	C 11714	9·5	1·2285	3·6121
61189	C 11715	4·4	1·4409	5·3068
61155	C 11717	8·5	1·8524	4·5708
61109	C 11718	9·5	1·9278	3·3338
61034	C 11741	9·2	5·0197	2·1387
61035	C 11748	9·0	5·9300	1·4681
61167	C 11809	8·1	11·5936	4·3506
61133	C 11824	9·2	13·7707	3·8054
61053	C 11829	8·0	14·1753	1·4771
...	C 11831	8·9	14·7115	0·1041
61091	C 11847	9·4	16·4700	2·6800
61141	C 11861	9·0	18·4399	4·0609
61018	C 11863	8·8	18·8840	0·8219
61105	C 11886	9·5	22·6160	3·2341
61645	L 8454	8·0	0·5432	17·9983
61288	L 8456	8·5	1·1216	9·1554
61883	L 8460	9·0	2·6253	22·8250
61448	L 8462	9·0	2·9144	12·4666
61923	L 8461	8·2	2·9654	24·0331

R.A. 20h 46m (continued)

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
61814	L 8464	8·8	3·3637	20·2791
61754	L 8467	8·9	3·9535	20·2532
61993	L 8469	7·2	4·6660	25·6768
61261	L 8472	9·0	4·9636	7·6630
61886	L 8477	8·8	5·2379	22·5132
61888	L 8479	7·7	5·5054	22·6783
61333	L 8482	8·8	5·8126	9·4225
61763	L 8486	7·8	6·9654	19·5528
61614	L 8488	7·8	7·1047	16·6538
61925	L 8489	9·0	7·3593	23·4326
61891	L 8490	8·5	7·4985	22·3600
61553	L 8494	8·3	8·7959	14·6074
61201	L 8496	7·5	9·1065	6·1045
61517	L 8500	9·1	10·1762	13·5565
61339	L 8501	9·0	10·3161	9·6598
61464	L 8502	8·7	10·5889	13·0402
61935	L 8505	8·3	11·0034	24·0798
61582	L 8506	9·4	11·1700	15·4057
61301	L 8512	9·1	13·0670	9·1290
61467	L 8513	7·7	13·6919	12·7602
61272	L 8518	7·0	14·1640	7·4537
61343	L 8519	8·9	14·2596	9·4240
61586	L 8522	9·1	14·7479	15·6643
62007	L 8542	9·0	19·8583	25·9689
61633	L 8541	8·1	19·8679	17·2077
61685	L 8543	8·5	20·1904	18·2064
61559	L 8553	8·5	21·7637	14·6450
61281	L 8552	7·7	21·7698	7·9011
61598	L 8554	6·7	21·7863	15·9894
61739	L 8557	9·1	22·3991	19·1866
61441	L 8560	8·8	22·9717	12·0920

R.A. 20h 55m

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
62132	C 11928	9·2	5·9729	1·5466
62217	C 11934	9·0	6·7145	4·6464
62135	C 11936	9·2	7·1570	1·6490
62160	C 11948	9·0	8·8493	2·5602
62137	C 11950	9·5	8·9017	1·5827
62106	C 11965	6·7	10·5585	1·0981
62187	C 11969	9·1	11·0480	3·9784
62188	C 11970	8·3	11·0707	3·8438
62108	C 11972	8·5	11·1774	1·1424
...	C 11984	9·4	13·8387	0·0216
62115	C 11995	9·1	16·1447	0·6285
62175	C 12021	8·5	19·6797	2·8598
62232	C 12027	9·5	20·6639	4·8128
62179	C 12029	7·7	20·8965	2·5514
62233	C 12037	8·0	21·7554	4·5239
...	C 12057	9·5	23·7914	0·2389
62147	C 12060	8·7	24·0638	2·1735
62203	C 12067	9·5	24·6476	3·8101
62149	C 12068	9·4	24·7759	2·1611
62245	L 8575	8·9	3·8304	5·6615
62704	L 8576	7·8	4·3513	22·4807
62676	L 8578	7·6	4·7082	21·5777
62763	L 8580	8·9	5·4259	24·8303
62283	L 8582	9·0	5·8185	6·6391
62285	L 8584	9·5	6·2698	6·7219
62767	L 8587	8·7	6·8228	24·9692
62521	L 8589	8·5	6·8246	15·4955

R.A. 20h 55m (continued)

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
62572	L 8592	9·2	7·6124	18·1442
62417	L 8602	8·0	10·1701	11·9645
62447	L 8603	9·0	10·1868	12·6345
62806	L 8606	9·2	10·8981	25·8176
62773	L 8609	9·0	11·4211	25·2832
62530	L 8612	7·0	11·9224	16·1082
62467	L 8614	7·9	12·3924	14·0559
62710	L 8616	8·1	12·7291	23·2067
62555	L 8617	9·0	12·7835	17·1717
62604	L 8621	8·6	13·2686	19·1295
62420	L 8627	8·9	14·1972	11·5790
62298	L 8634	8·5	16·2948	7·0557
62720	L 8638	8·0	17·1766	22·4214
62453	L 8643	8·6	18·7172	13·0493
62265	L 8644	9·3	19·2151	5·8612
62727	L 8650	8·7	20·1658	23·1089
62303	L 8649	9·0	20·2666	6·6944
62475	L 8659	8·5	22·1604	13·8665
62787	L 8661	7·2	22·6264	24·5011
62645	L 8664	8·2	23·3511	20·2835
62358	L 8669	7·5	24·5461	9·0511
62481	L 8674	8·9	24·8039	14·0404

R.A. 21h 4m

Oxford	Cambridge or Leiden	Mag.	ξ′	η′
...	C 12057	9·5	0·3870	0·2568
...	C 12060	8·7	0·6984	2·1855
...	C 12067	9·5	1·3153	3·8106
62946	C 12068	9·4	1·4102	2·1593
62951	C 12110	9·4	6·2748	2·0910
63039	C 12112	8·5	6·6415	5·7286
62926	C 12116	9·0	7·2631	1·7435
62983	C 12117	9·4	7·2783	3·3251
...	C 12134	9·0	9·2048	3·7315
62927	C 12135	8·7	9·3985	1·5561
62986	C 12147	7·0	10·1997	3·3254
63017	C 12154	8·9	11·0504	4·1301
62906	C 12158	8·9	11·5761	0·6278
63019	C 12159	9·1	11·6207	4·2840
62912	C 12185	8·1	15·4047	0·6441
62932	C 12187	8·9	15·8074	1·8173
62962	C 12202	9·5	17·4043	2·6461
62966	C 12221	8·7	19·8706	2·9662
63027	C 12235	9·5	22·0100	4·7499
63001	C 12242	7·0	22·5945	3·5336
62973	C 12249	8·9	24·2546	2·2717
62974	C 12251	8·2	24·8073	3·0725
...	L 8664	8·2	0·3521	20·3073
...	L 8669	7·5	1·3197	9·0523
63252	L 8674	8·9	1·6784	14·0353
63130	L 8680	9·0	2·9222	9·5370
63391	L 8681	8·4	3·2384	20·5653
63302	L 8682	8·1	3·2510	16·3282
63162	L 8685	9·0	3·8464	10·7936
63080	L 8687	8·3	3·8726	7·2703
63322	L 8692	9·0	4·9425	17·8997
63256	L 8702	8·4	6·6809	15·0090
63140	L 8707	8·6	7·4223	9·9284
63168	L 8712	5·6	8·6421	10·4095
63546	L 8713	8·7	8·7119	25·6475
63068	L 8721	9·0	10·3036	6·6902

R.A. 21h 4m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
63264	L 8722	8·6	10·7969	14·7018
63105	L 8727	9·0	11·1885	8·7086
63437	L 8728	9·1	11·7016	21·3954
63438	L 8729	8·3	12·2186	21·4788
63237	L 8732	9·0	12·8248	13·2100
63439	L 8734	8·6	13·0331	21·6441
63327	L 8737	9·0	13·6158	17·5510
63555	L 8739	9·0	14·4261	25·3506
63267	L 8743	8·3	15·8290	14·2535
63150	L 8746	9·5	17·4996	9·6509
63557	L 8747	8·4	17·5305	25·9831
63467	L 8749	7·2	17·7434	22·5931
63468	L 8754	9·1	18·1301	22·6805
63502	L 8759	9·0	18·8028	23·2177
63151	L 8758	9·0	18·8388	9·5386
63198	L 8765	9·0	20·0636	12·0620
63071	L 8770	9·0	20·8621	6·8973
63122	L 8772	9·3	21·2280	8·9970
63095	L 8777	9·0	22·1493	7·7068
63072	L 8783	8·2	23·7189	6·8762
63417	L 8785	8·2	24·0596	20·4855
63055	L 8790	7·5	25·2339	5·7891

R.A. 21h 13m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
63612	C 12249	8·9	0·8912	2·2800
63627	C 12251	8·2	1·4600	3·0699
63643	C 12275	8·3	5·4676	3·7403
63648	C 12325	8·0	12·8748	4·2963
63685	C 12339	7·8	14·9221	5·8270
63631	C 12343	7·6	15·3747	3·0257
63610	C 12366	9·3	18·7130	0·8930
63633	C 12369	8·9	18·9769	2·9500
63655	C 12370	9·4	19·1224	4·1364
...	C 12403	9·4	24·3551	0·0656
63676	C 12407	8·5	24·6804	5·3563
63660	C 12413	9·3	25·6660	4·0343
63696	L 8783	8·2	0·4486	6·8944
63931	L 8785	8·2	1·0646	20·4944
63678	L 8790	7·5	1·9413	5·7774
63717	L 8796	8·9	3·6884	7·4106
64020	L 8799	8·9	4·4457	25·1292
63836	L 8801	9·0	4·5799	14·7404
63718	L 8803	7·8	5·0626	7·5981
63914	L 8802	8·3	5·1204	19·8581
63773	L 8813	9·0	6·3489	10·7605
63916	L 8815	9·4	6·5086	20·0905
64039	L 8818	8·7	8·1553	25·8314
63936	L 8820	7·3	9·4322	20·5634
63736	L 8824	8·8	9·8048	9·2656
63794	L 8825	8·9	10·3209	11·4971
63795	L 8828	8·0	10·6517	12·2881
63967	L 8833	8·7	12·9443	21·9674
63899	L 8835	7·8	13·3442	18·7679
63941	L 8836	8·8	13·3590	20·4714
63925	L 8838	9·0	13·7128	19·5937
63756	L 8841	8·0	13·8432	9·8240
63970	L 8849	9·0	15·8686	21·6071
63973	L 8855	7·3	17·4749	22·1242
64044	L 8856	8·5	17·4792	25·4626
63728	L 8861	9·0	18·8909	7·5051

R.A. 21h 13m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
63761	L 8864	8·8	19·4683	9·9770
63953	L 8870	9·0	21·2622	20·8589
64035	L 8873	6·7	22·1880	25·3937
63800	L 8872	9·3	22·2721	12·1161
63813	L 8877	9·0	24·2588	13·0627

R.A. 21h 22m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
...	C 12403	9·4	0·9470	0·0723
64231	C 12407	8·5	1·3792	5·3557
64171	C 12413	9·3	2·3379	4·0147
64173	C 12426	8·4	3·6644	4·1784
64206	C 12427	9·3	3·9674	5·1350
64174	C 12428	9·0	3·9903	4·2492
64178	C 12457	9·1	6·6269	3·8780
64208	C 12463	9·5	8·1738	4·9432
...	C 12476	9·5	9·9288	0·0857
64184	C 12482	9·4	10·5486	4·1847
64152	C 12485	9·3	11·1315	2·4725
64188	C 12489	8·5	11·6151	3·9720
64155	C 12493	9·3	12·5275	2·8570
64156	C 12497	8·8	12·9685	2·5525
64191	C 12509	9·1	14·6819	3·4473
...	C 12541	9·2	18·9370	0·2893
64195	C 12542	9·5	19·3191	3·7982
64225	C 12555	8·5	20·7294	5·3550
64226	C 12563	8·7	21·5369	4·5208
64260	C 12572	8·0	22·8518	5·8448
64133	C 12579	8·4	24·0070	1·4674
64202	C 12581	9·0	24·0313	3·7611
64165	C 12591	8·5	24·8582	2·5376
64416	L 8877	9·0	1·1136	13·0690
64605	L 8883	8·5	3·5716	19·4581
64607	L 8888	8·3	4·7316	20·2356
64520	L 8889	9·1	4·9745	16·6183
64385	L 8890	9·0	5·6160	10·9369
64337	L 8891	7·8	5·7782	9·2788
64704	L 8892	8·8	5·8796	23·1668
64279	L 8895	6·7	8·0643	7·0880
64525	L 8896	8·6	8·1053	17·1403
64638	L 8902	9·2	8·6627	20·4157
64577	L 8903	8·9	8·7337	18·5745
64368	L 8907	8·8	9·3715	10·2357
64446	L 8910	8·4	10·1286	13·5463
64687	L 8912	8·6	10·7914	21·9454
64449	L 8922	9·0	13·0012	14·3213
64585	L 8926	9·0	14·0315	19·2110
64690	L 8927	8·8	14·0933	21·4227
64587	L 8928	8·5	14·1463	18·6733
64247	L 8929	9·0	14·2456	5·7307
64691	L 8930	8·6	14·3116	22·0815
64532	L 8935	8·5	15·5321	16·4448
64622	L 8936	9·3	16·0927	19·4324
64623	L 8937	9·0	16·1155	19·9799
64533	L 8939	7·9	16·7974	17·3318
64411	L 8940	8·4	17·3060	12·2184
64723	L 8944	5·8	17·7406	22·4525
64503	L 8945	9·0	18·6846	15·7213
64756	L 8947	8·4	19·4350	23·5049
64316	L 8948	9·0	19·6917	8·0031
64795	L 8950	8·9	19·9921	24·5396

R.A. 21h 22m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
64696	L 8957	9·0	21·5564	21·8820
64659	L 8961	8·4	22·1086	21·1707
64728	L 8962	8·7	22·4764	22·4368
64599	L 8976	7·0	24·5772	19·2677

R.A. 21h 31m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
...	C 12579	8·4	0·6273	1·4809
...	C 12581	9·0	0·6982	3·7737
64945	C 12591	8·5	1·4999	2·5341
64902	C 12610	9·3	3·4611	0·6865
64947	C 12619	9·0	4·9962	2·2475
64949	C 12628	8·4	5·7663	2·5752
64924	C 12630	9·0	5·9884	1·1188
64950	C 12638	9·5	6·9358	2·7240
64981	C 12663	8·8	11·4640	3·9847
65026	C 12680	9·0	13·1311	5·7771
64909	C 12687	9·0	14·0540	0·1493
64959	C 12701	9·3	15·1340	2·9881
64989	C 12712	9·5	16·8619	3·8248
64939	C 12734	9·5	20·2793	1·5223
64915	C 12736	9·0	20·3978	0·4518
64967	C 12739	8·8	20·7842	2·7898
65016	C 12754	8·7	23·1823	4·8639
64972	C 12760	9·0	24·0036	2·2727
64919	C 12772	9·5	25·4240	0·6989
65364	L 8976	7·0	1·5575	19·2665
65129	L 8982	8·9	4·1519	10·0266
65223	L 8989	8·8	5·1720	14·9537
65251	L 8990	9·0	5·3396	15·5655
65254	L 8998	8·6	7·9776	15·7019
65510	L 9002	8·5	9·1572	24·8489
65047	L 9008	8·7	11·6516	6·6893
65279	L 9010	7·0	12·3014	17·0566
65083	L 9016	8·0	14·1009	7·7471
65140	L 9018	8·3	14·5135	10·2087
65234	L 9019	8·5	14·7049	14·9993
65236	L 9023	9·4	15·7471	15·0206
64961	L 9024	9·5	15·8251	2·8719
65412	L 9026	7·8	16·2128	20·8496
65521	L 9028	7·7	16·3179	24·7708
65189	L 9029	9·0	16·4994	12·8604
65468	L 9030	9·0	16·7669	23·0518
65440	L 9034	8·8	17·8231	21·4484
65321	L 9038	9·0	18·9259	17·2569
65288	L 9047	9·2	20·7109	16·8450
65122	L 9049	8·8	21·5548	10·1156
65087	L 9048	8·4	21·5595	7·6333
65265	L 9052	8·2	22·8769	15·9607
65389	L 9055	8·8	23·1979	20·0269
65215	L 9056	8·1	23·4888	14·0079
65124	L 9058	8·4	24·4699	9·2706
65219	L 9063	8·7	25·4078	13·2081

R.A. 21h 40m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
65628	C 12760	9·0	0·6405	2·2861
65601	C 12772	9·5	2·0287	0·6847

R.A. 21h 40m (continued)

Reference Number: Oxford	Cambridge or Leiden	Mag.	Standard Co-ordinates 1900·0: ξ'.	η'.
65603	C 12779	9·3	3·0082	1·0205
65604	C 12790	9·0	4·3741	0·5140
65610	C 12814	9·5	9·5280	1·1372
...	C 12854	8·7	14·7926	0·3872
65687	C 12888	8·9	19·6071	4·1267
65690	C 12900	9·5	21·5744	3·8970
65741	C 12901	9·5	21·5770	5·5144
65647	C 12911	9·3	23·0623	1·6947
...	C 12917	9·5	23·7547	0·0979
66069	L 9055	8·8	0·1937	20·0539
65897	L 9056	8·1	0·3628	14·0297
65786	L 9058	8·4	1·2479	9·2734
65875	L 9063	8·7	2·2651	13·1910
66117	L 9066	9·2	2·9306	21·9354
65851	L 9070	8·9	4·0967	12·0505
65935	L 9072	8·3	4·6668	14·6264
65904	L 9080	9·2	6·1803	13·9616
66096	L 9083	8·8	6·5018	20·5376
65828	L 9086	9·2	7·0992	11·3612
65907	L 9088	9·0	7·6107	13·7040
65908	L 9090	8·7	8·0077	13·4692
66018	L 9092	8·3	8·2182	18·1036
65832	L 9094	8·3	8·5093	11·1575
65994	L 9097	9·0	9·8695	17·3044
65965	L 9099	8·8	11·5734	16·1462
65918	L 9104	8·7	13·0646	13·7357
65883	L 9105	9·3	13·2508	12·5487
65754	L 9107	9·4	13·4318	6·6669
65970	L 9110	8·9	14·3478	16·3798
66060	L 9111	8·5	14·8967	19·2681
65887	L 9119	8·3	18·1967	12·9928
66133	L 9124	9·4	19·7481	22·1121
65868	L 9128	8·7	21·1781	11·5830
65924	L 9131	8·1	21·5028	13·8089
65891	L 9134	9·1	23·4115	13·1270
65799	L 9136	9·0	23·9848	8·8098
66189	L 9139	9·4	25·4936	23·6049

R.A. 21h 49m

Oxford	Cambridge or Leiden	Mag.	ξ'.	η'.
...	C 12917	9·5	0·3473	0·1165
66381	C 12929	9·0	2·6222	4·4994
66414	C 12930	9·2	2·6357	4·5554
66302	C 12948	9·3	6·0166	1·4070
66383	C 12949	9·0	6·1940	4·0941
66385	C 12950	9·2	6·3837	3·8049
66361	C 12957	8·7	8·8009	2·9187
66421	C 12971	8·6	11·9874	4·7870
66427	C 13000	7·8	18·1278	5·2582
66375	C 13015	9·0	19·3504	2·8170
66460	C 13028	9·0	21·1522	5·8521
66352	C 13038	9·5	23·2937	1·9045
66380	C 13055	9·2	25·3183	3·4121
66599	L 9134	9·1	0·2677	13·1507
66509	L 9136	9·0	0·7536	8·8225
66857	L 9139	9·4	2·5613	23·5836
66726	L 9148	7·2	4·5710	17·6012
66765	L 9150	9·0	5·2277	19·9659
66472	L 9151	8·8	5·1698	6·7061
66445	L 9153	8·5	5·6818	5·8819
66686	L 9161	9·0	7·1534	15·6544

R.A. 21h 49m (continued)

Oxford	Cambridge or Leiden	Mag.	ξ'.	η'.
66729	L 9164	7·5	8·8015	18·3290
66479	L 9174	8·9	11·9746	6·9393
66773	L 9176	9·1	12·0999	19·8843
66774	L 9179	9·0	12·5602	20·3347
66665	L 9189	8·0	15·9709	14·6658
66844	L 9192	7·6	16·3916	23·3746
66778	L 9193	8·8	16·4071	20·1991
66666	L 9197	8·2	16·8442	14·9842
66845	L 9198	6·8	16·8787	23·3956
66716	L 9199	9·3	16·9502	16·9752
66822	L 9200	8·3	17·0373	22·3819
66524	L 9203	8·8	17·9393	8·9667
66669	L 9210	9·3	19·2144	15·4080
66572	L 9211	7·7	19·2647	10·5066
66484	L 9214	9·2	19·6896	7·3310
66783	L 9218	9·0	20·9061	19·7834
66525	L 9221	9·3	21·4862	9·1626
66737	L 9223	7·7	22·0347	17·6680
66741	L 9227	8·7	23·1092	18·0706
66527	L 9228	9·0	23·5724	9·4320
66436	L 9234	9·1	25·5685	4·9746
66679	L 9237	8·6	25·9277	14·7434

R.A. 21h 58m

Oxford	Cambridge or Leiden	Mag.	ξ'.	η'.
67075	C 13055	9·2	1·9778	3·3994
67134	C 13063	8·8	3·5036	5·1548
67052	C 13069	9·5	4·3790	2·3384
67030	C 13072	7·5	4·5338	1·6694
67054	C 13084	9·3	6·3439	2·0715
67109	C 13095	9·4	8·2972	4·4166
67110	C 13102	8·2	9·1946	4·2978
67057	C 13110	9·5	10·2746	2·0695
67062	C 13133	8·9	13·9155	2·6173
67116	C 13134	7·7	13·9369	4·4599
67087	C 13136	9·4	14·2588	3·5030
67170	C 13149	8·2	16·8964	5·8810
67121	C 13160	8·8	19·1048	4·5290
67153	C 13181	9·4	21·8851	5·6793
67069	C 13184	8·3	23·4659	2·0599
67175	C 13187	8·0	23·5654	6·3494
67070	C 13198	9·5	25·1412	2·2860
67101	C 13199	9·2	25·1824	3·1746
67211	L 9228	9·0	0·3539	9·4526
67131	L 9234	9·1	2·2594	4·9567
67311	L 9237	8·6	2·8164	14·7156
67200	L 9241	9·2	3·5588	8·7186
67594	L 9242	7·5	4·3233	25·0962
67578	L 9253	9·0	6·5026	24·3112
67161	L 9257	9·4	7·2989	6·3483
67492	L 9265	9·3	8·6569	21·2409
67273	L 9266	7·2	8·6914	12·6564
67292	L 9267	7·0	9·0797	13·6521
67496	L 9277	9·1	12·5727	20·8037
67396	L 9286	8·8	14·8065	17·5785
67191	L 9287	8·2	15·2650	7·1400
67297	L 9289	9·4	17·4058	13·4613
67193	L 9292	9·4	17·7827	7·4197
67325	L 9293	9·3	17·9362	14·7450
67194	L 9295	9·3	18·1699	7·4171
67480	L 9297	8·6	18·7328	19·8206

R.A. 21h 58m (continued)

Oxford	Cambridge or Leiden	Mag.	ξ'.	η'.
67373	L 9302	9·1	20·8244	16·5304
67151	L 9303	9·7	20·9904	5·5288
67463	L 9304	9·1	21·1548	19·6388
67592	L 9305	9·2	21·2632	23·8198
67435	L 9306	8·9	21·3656	18·4273
67330	L 9310	9·3	22·4823	14·4992
67209	L 9311	8·5	22·6760	8·6365
67575	L 9316	9·0	24·2548	23·1418

R.A. 22h 7m

Oxford	Cambridge or Leiden	Mag.	ξ'.	η'.
67740	C 13198	9·5	1·7779	2·2769
67741	C 13199	9·2	1·8371	3·1645
67723	C 13209	9·5	3·4665	1·8339
67724	C 13225	9·3	6·7528	1·3462
67815	C 13228	9·1	7·0884	5·5746
67725	C 13232	8·8	7·6578	1·5763
67771	C 13233	9·2	7·8953	3·3611
67710	C 13236	9·2	9·3804	0·7380
67750	C 13241	9·3	10·3383	2·4994
67794	C 13242	8·2	10·3782	4·8592
67729	C 13248	6·5	11·2948	1·7292
67798	C 13273	9·2	14·9612	4·6739
67823	C 13281	9·0	16·6622	5·9995
67841	C 13284	8·7	17·0012	6·6133
67801	C 13289	8·8	17·4833	5·0102
67734	C 13296	8·7	18·8713	2·3090
67804	C 13306	9·0	20·8917	4·3983
68143	L 9316	9·0	1·3135	23·1462
68079	L 9325	8·8	3·7770	19·5490
68125	L 9330	8·1	7·7397	21·3837
68002	L 9335	9·0	8·2590	15·2942
68153	L 9339	7·8	9·5505	23·2214
68154	L 9341	7·1	9·9740	22·5645
68004	L 9342	8·9	10·2406	15·2036
68087	L 9349	7·7	12·9609	20·1125
68043	L 9351	9·0	13·4122	16·8224
68230	L 9353	8·8	13·9140	25·8708
67944	L 9367	7·8	17·7909	11·6583
68092	L 9369	9·0	18·2758	20·2547
68012	L 9368	8·2	18·2830	14·7334
68132	L 9371	9·0	18·8380	21·8283
68234	L 9372	9·0	18·8939	25·4554
68205	L 9373	8·9	19·1948	24·8696
68134	L 9375	9·2	19·2850	22·1291
68074	L 9376	8·5	19·3774	18·3778
67947	L 9377	8·7	19·6687	11·8891
68208	L 9379	9·3	20·0724	24·4520
67994	L 9382	8·1	20·9412	13·7587
67844	L 9387	8·6	22·8876	6·7476
67931	L 9393	7·8	24·0873	10·8515
67954	L 9395	8·7	24·2828	12·1051

R.A. 22h 16m

Oxford	Cambridge or Leiden	Mag.	ξ'.	η'.
68390	C 13343	8·8	5·5757	4·9490
68315	C 13348	8·8	6·1673	2·2036
68395	C 13364	9·5	10·7934	4·5683

R.A. 22^h 16^m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
68396	C 13369	9·5	11·1540	4·8907
68307	C 13373	9·5	12·0759	0·5116
68377	C 13393	7·5	18·4277	3·8993
...	C 13404	8·6	20·9526	0·2530
68312	C 13423	9·1	24·2102	0·7759
68335	C 13432	9·1	25·1005	1·7928
68535	L 9393	7·8	0·8974	10·8619
68560	L 9395	8·7	1·1182	12·1112
68743	L 9405	9·0	4·5300	20·3342
68817	L 9407	8·5	5·1030	22·5155
68563	L 9408	8·5	5·5467	11·6461
68512	L 9410	8·5	5·9249	10·0633
68582	L 9411	8·6	6·1101	12·9050
68583	L 9413	9·1	6·4327	13·2448
68727	L 9418	9·3	8·0773	19·1747
68467	L 9424	9·2	10·7538	8·3671
68496	L 9426	8·7	11·7293	8·7566
68568	L 9428	8·9	11·8577	12·0088
68802	L 9430	9·0	12·4634	21·8735
68879	L 9433	8·5	13·9807	24·7446
68548	L 9434	7·0	14·2419	10·6873
68880	L 9436	9·3	15·1625	25·3882
68631	L 9437	9·3	15·6779	13·5114
68602	L 9450	8·0	20·1488	12·9741
68908	L 9452	8·8	21·0539	26·0228
68529	L 9453	6·6	21·6998	10·0962
68869	L 9458	8·0	23·4300	24·3464
68889	L 9461	8·8	23·9672	24·5385
68911	L 9465	8·6	24·9932	25·6524

R.A. 22^h 25^m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
69001	C 13423	9·1	0·8166	0·7855
69026	C 13432	9·1	1·7272	1·7848
69002	C 13434	9·1	3·3873	1·0849
69003	C 13435	9·0	3·4055	0·8820
69152	C 13446	8·3	5·0316	6·2893
69006	C 13450	8·8	5·9576	1·1007
69174	C 13452	6·8	6·3503	6·3937
69086	C 13453	9·2	6·4912	3·4099
69087	C 13454	8·2	6·5560	3·7217
69154	C 13458	9·0	7·0614	6·1071
...	C 13473	8·5	10·7097	0·2214
69063	C 13476	8·3	11·2719	2·5991
69126	C 13489	9·4	12·9858	4·9428
69127	C 13491	9·1	13·4024	4·5169
69041	C 13506	8·8	18·0950	1·7531
...	C 13507	9·0	18·3849	0·2758
69073	C 13510	9·1	18·7918	3·3155
69134	C 13514	9·0	19·0845	4·6264
69141	C 13538	9·3	23·7225	4·8163
69642	L 9458	8·0	0·5137	24·3677
69643	L 9461	8·8	1·0545	24·5487
69673	L 9465	8·6	2·1024	25·6408
69585	L 9470	9·4	3·3840	23·1227
69616	L 9472	9·1	3·8440	24·2125
69482	L 9481	9·2	6·6958	19·1276
69483	L 9484	9·0	7·1920	18·9385
69374	L 9489	9·0	8·0647	14·9584
69424	L 9493	6·2	8·3595	16·9552
69306	L 9496	9·0	10·3598	11·4290

R.A. 22^h 25^m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
69375	L 9499	8·8	11·0317	14·8614
69230	L 9501	9·4	11·4587	9·0629
69378	L 9504	8·2	12·3396	15·3005
69431	L 9505	8·2	12·4039	17·1203
69542	L 9511	8·5	13·8298	21·0550
69678	L 9512	6·0	14·1570	25·7320
69257	L 9513	7·0	14·4012	9·4470
69493	L 9516	8·8	14·8540	18·7846
69469	L 9520	8·7	17·6612	17·8566
69437	L 9522	8·2	17·7899	17·1785
69605	L 9527	9·0	18·8298	23·3484
69317	L 9539	7·8	22·0869	11·7398
69496	L 9540	8·8	22·3500	18·5230
69264	L 9544	7·5	23·1868	10·2902
69362	L 9545	8·5	23·4259	13·6214
69363	L 9547	8·8	23·8573	14·1204
69266	L 9549	8·8	24·7372	10·0174
69688	L 9550	9·2	25·2150	25·6792
69364	L 9551	9·3	25·4205	13·4729

R.A. 22^h 34^m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
69790	C 13538	9·3	0·4106	4·8349
69795	C 13555	7·0	3·6811	4·4773
69817	C 13562	9·0	4·1469	5·5793
69796	C 13565	9·1	4·4928	5·3234
69768	C 13579	9·0	8·0310	3·9576
69769	C 13581	7·1	8·1101	4·2893
69722	C 13585	8·7	8·8498	1·8639
69703	C 13588	9·5	9·7905	1·0119
69706	C 13599	8·8	11·8562	0·9133
69708	C 13606	8·8	13·0420	0·8758
69778	C 13625	8·6	16·0892	3·8922
69779	C 13627	8·4	16·9293	4·2028
69831	C 13641	6·3	20·3701	6·3333
69812	C 13647	9·0	21·1497	5·0387
69717	C 13653	9·5	23·1680	0·8396
69990	L 9545	8·5	0·2921	13·6447
69991	L 9547	8·8	0·7336	14·1347
69901	L 9549	8·8	1·5303	10·0149
69992	L 9551	9·3	2·2834	13·4555
70257	L 9550	9·2	2·3248	25·6632
70258	L 9553	9·4	2·9292	25·8748
69968	L 9556	8·8	2·9846	13·0328
70013	L 9557	9·0	3·0024	15·3543
70232	L 9554	9·4	3·0723	25·3252
70158	L 9558	9·0	3·0785	21·8691
69970	L 9559	8·5	3·3327	12·5198
70103	L 9561	8·8	4·0582	18·5515
70164	L 9566	8·8	5·4702	21·9847
70234	L 9572	8·3	6·6968	25·3490
69948	L 9581	8·2	8·1763	11·4014
70170	L 9588	7·8	11·5718	21·6784
69891	L 9591	8·5	14·2400	8·5042
69894	L 9598	7·0	15·7416	8·5023
69983	L 9602	8·7	16·2589	12·7273
70177	L 9603	9·3	16·3432	21·7951
70045	L 9607	7·9	17·2944	16·2044
69934	L 9609	8·2	17·6986	10·5888
70046	L 9612	8·5	18·5524	16·2690
70153	L 9616	8·3	20·0197	21·2498
70023	L 9624	8·7	21·8917	15·2398

R.A. 22^h 34^m (*continued*)

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
70096	L 9628	8·3	22·4514	17·7151
70074	L 9633	9·4	24·4812	16·6066
69913	L 9638	8·7	25·3062	9·6235
70027	L 9639	8·7	25·3127	14·6075
69965	L 9640	9·3	25·3622	12·4408
69914	L 9641	8·6	25·5384	9·5077
70184	L 9643	8·3	25·7778	21·5271

R.A. 22^h 43^m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
70365	C 13671	9·1	3·5506	4·1838
70340	C 13679	9·2	5·6830	3·0128
70302	C 13680	9·2	6·5535	0·6380
70317	C 13684	8·5	7·3578	1·4535
...	C 13685	7·2	7·5820	0·1471
70384	C 13686	9·2	7·6635	5·1113
70345	C 13689	9·3	8·0977	3·3012
70318	C 13693	9·0	8·7098	1·8050
70402	C 13697	9·0	9·2497	5·4560
70346	C 13703	9·4	10·6844	3·1712
70350	C 13710	9·3	13·1864	2·4805
70324	C 13712	8·5	13·8601	2·1785
70377	C 13721	9·2	15·5517	4·0953
70378	C 13728	8·5	17·1514	4·2945
70353	C 13734	8·4	18·3690	3·2341
70428	C 13747	8·8	23·3375	6·8103
70358	C 13749	8·9	23·7066	2·4741
70570	L 9633	9·4	1·4080	16·6076
70452	L 9638	8·7	2·0912	9·6095
70540	L 9639	8·7	2·1985	14·5921
70503	L 9640	9·3	2·2044	12·4251
70453	L 9641	8·6	2·3210	9·4890
70660	L 9643	8·3	2·8034	21·5004
70505	L 9645	8·8	4·6223	12·6457
70475	L 9647	9·0	5·4815	10·9282
70444	L 9658	8·4	9·8356	8·5842
70479	L 9659	8·2	10·2050	10·4614
70526	L 9664	9·0	11·5452	13·8269
70421	L 9666	7·9	12·0515	7·1240
70463	L 9668	8·9	12·4622	10·3304
70593	L 9670	8·8	12·7202	18·2811
70528	L 9676	8·4	14·6290	13·9089
70438	L 9678	7·8	14·9575	7·8769
70673	L 9681	8·8	15·7737	21·6469
70674	L 9685	9·3	16·7196	21·9149
70733	L 9687	7·8	17·3104	25·0164
70487	L 9689	7·5	18·1062	10·4020
70513	L 9696	8·9	20·2057	12·7900
70722	L 9697	8·0	20·4871	23·9932
70566	L 9706	9·3	24·1207	15·5819

R.A. 22^h 52^m

Oxford.	Cambridge or Leiden.	Mag.	ξ′.	η′.
70926	C 13747	8·8	0·0660	6·8362
70838	C 13749	8·9	0·3473	2·4931
70865	C 13765	7·5	4·8121	3·7930
70819	C 13767	8·7	4·9623	2·0970
70890	C 13781	9·0	8·7996	4·9314

R.A. 22h 52m (continued)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
70825	C 13784	8·3	10·4147	2·2320
70893	C 13790	8·9	12·7963	4·7549
71102	L 9706	9·3	1·0265	15·5905
71233	L 9710	9·0	3·1129	20·6348
71316	L 9711	8·5	3·2463	25·0490
71085	L 9712	8·8	3·4996	14·5887
71283	L 9721	9·0	7·0631	22·6048
71027	L 9722	6·6	7·8944	12·3671
70932	L 9723	8·0	7·9088	7·2777
71047	L 9730	8·7	9·8738	13·2712
71285	L 9731	9·0	9·9568	23·1248
71219	L 9734	8·4	10·9955	20·2464
71306	L 9741	9·0	12·1962	23·5851
71051	L 9747	8·6	14·2944	12·8904
71241	L 9748	7·8	14·3423	20·9755
71342	L 9749	8·8	14·4089	25·5825
71173	L 9750	8·4	14·5056	18·1898
71273	L 9759	8·6	20·3681	21·4590
70965	L 9767	6·0	23·1685	7·5992
71347	L 9775	7·4	25·1944	25·9779

R.A. 23h 1m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
71505	C 13848	9·0	4·8438	5·7453
71506	C 13864	9·0	9·4640	5·8244
71454	C 13879	8·0	12·8673	3·1983
...	C 13883	9·4	14·4792	0·4725
71435	C 13885	7·7	14·8222	1·9541
71535	C 13888	8·2	14·9682	6·6508
71457	C 13890	8·8	15·5611	2·6321
...	C 13891	9·3	15·6508	0·0717
71518	C 13902	8·8	18·2795	5·6828
71458	C 13903	8·5	18·2999	3·2235
71419	C 13907	8·6	19·2658	0·5526
...	C 13910	8·4	19·5591	0·0313
71420	C 13913	8·5	19·8799	0·8466
71498	C 13915	9·0	20·5644	4·9699
71445	C 13921	9·1	22·2023	2·2986
71930	L 9775	7·4	2·3102	25·9624
71696	L 9781	6·3	4·7423	15·9499
71665	L 9783	8·4	5·6525	13·7436
71682	L 9786	7·1	6·6211	14·8262
71556	L 9787	8·0	7·4808	7·6052
71913	L 9789	8·5	8·4292	24·6159
71773	L 9790	8·9	8·4460	18·7179
71798	L 9791	8·0	8·5023	19·9083
71595	L 9794	6·5	9·9227	10·2393
71562	L 9804	9·0	15·1804	7·6622
71754	L 9808	8·8	16·1209	18·4895
71783	L 9813	9·0	17·3833	19·3113
71651	L 9815	9·1	17·8767	12·7673
71834	L 9816	9·0	18·1500	20·6560
71630	L 9819	7·0	18·4370	12·0350
71654	L 9822	9·0	19·3876	13·2128
71927	L 9830	9·2	21·6793	24·6053
71635	L 9829	9·0	21·7675	12·4761
71727	L 9831	8·5	21·7689	16·6429
71929	L 9833	8·3	23·1369	24·6071
71902	L 9836	7·2	24·4007	24·3976
71903	L 9837	9·2	24·5870	24·4439
71585	L 9840	9·0	25·2495	8·6452

R.A. 23h 10m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
72001	C 13939	8·3	3·4719	1·0515
72002	C 13944	9·5	4·0564	0·4049
...	C 13948	9·5	4·2466	0·1560
72022	C 13955	9·0	6·6854	2·9504
72067	C 13963	9·4	8·1393	5·8717
72026	C 13980	9·2	12·1132	2·8276
72028	C 13996	8·0	16·5982	2·4616
72044	C 13998	8·9	16·9111	3·4366
72047	C 14008	8·8	19·6664	3·8055
72049	C 14014	9·5	20·6471	4·2211
72339	L 9833	8·3	0·2253	24·6346
72340	L 9836	7·2	1·4847	24·3987
72341	L 9837	9·2	1·6718	24·4412
72106	L 9840	9·0	2·0148	8·6324
72091	L 9842	7·5	3·0469	8·3417
72254	L 9846	9·0	4·8625	19·5529
72285	L 9847	9·4	5·1478	21·5361
72325	L 9849	8·8	5·8926	23·6853
72196	L 9852	9·1	6·0270	15·7761
72124	L 9864	8·3	11·1640	10·3301
72343	L 9866	7·5	11·6807	24·6169
72198	L 9867	8·5	11·8499	15·7962
72084	L 9875	8·5	13·6023	6·9847
72186	L 9876	7·3	15·1139	14·5492
72140	L 9887	8·5	17·7573	10·5209
72188	L 9890	8·4	19·0575	15·1445
72088	L 9893	7·5	20·3238	6·8308
72115	L 9896	9·2	21·0186	9·4105

R.A. 23h 19m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
72447	C 14066	9·4	11·3665	4·7190
72427	C 14067	8·9	11·4853	2·7889
72419	C 14069	8·4	12·1125	2·4218
72428	C 14074	8·0	14·0065	3·4298
72429	C 14076	7·7	14·5607	2·9443
72439	C 14077	9·0	14·8135	4·4456
72449	C 14079	9·1	15·5704	5·0144
72466	C 14085	9·2	17·8638	5·9738
72441	C 14099	9·5	21·3217	3·8162
72454	C 14107	8·9	23·8383	5·4053
72480	L 9912	9·0	5·4916	8·5973
72559	L 9919	5·8	7·9559	16·1860
72653	L 9928	6·7	12·6586	24·7739
72601	L 9939	8·8	15·4049	19·8057
72635	L 9940	6·0	15·4215	23·0291
72647	L 9942	8·9	16·6205	24·0435
72590	L 9944	9·0	17·9539	18·7563
72548	L 9949	7·7	19·6842	15·3854
72657	L 9950	7·9	20·9095	24·6707
72659	L 9951	9·0	21·9252	25·3802
72500	L 9953	8·8	22·8115	10·4492
72571	L 9958	8·9	23·9194	16·5851
72627	L 9959	8·5	24·1512	21·7144
72562	L 9961	7·8	25·5763	16·0160

R.A. 23h 28m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
72732	C 14107	8·9	0·5383	5·4215
72715	C 14124	9·3	4·4170	2·8444

R.A. 23h 28m (continued)

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
72727	C 14130	7·6	6·4937	4·3914
72728	C 14135	9·3	8·7831	4·4360
72736	C 14149	9·0	13·6151	4·7608
72720	C 14163	8·8	17·6849	3·0883
72710	C 14180	7·7	23·6483	2·5085
72864	L 9958	8·9	0·8457	16·5977
72939	L 9959	8·5	1·1809	21·7214
72865	L 9961	7·8	2·4906	15·9951
72855	L 9964	8·1	3·3780	14·8864
72924	L 9969	8·9	4·6989	20·9505
72856	L 9970	8·3	4·8796	14·8950
72800	L 9974	8·0	5·9699	10·9487
72857	L 9973	8·4	5·9824	14·9360
72782	L 9982	8·9	10·2959	9·0980
72898	L 9986	9·0	11·7277	18·8888
72820	L 9988	8·3	11·9342	11·7218
72792	L 9994	9·2	14·4378	9·9308
72745	L 9995	8·2	14·8205	6·5619
72944	L 9996	9·4	15·1883	22·5451
72793	L 9998	5·6	15·5492	10·2831
72872	L 10003	7·7	18·1983	16·4027
72747	L 10006	7·5	19·2703	6·4806
72773	L 10007	7·9	19·4400	8·4380
72936	L 10008	6·8	19·5272	20·7574
72918	L 10011	8·5	20·1255	20·3997
72961	L 10014	9·0	21·2482	23·6616
72964	L 10023	8·8	25·0292	24·1235
72863	L 10024	9·2	25·4174	15·0151

R.A. 23h 37m

Oxford.	Cambridge or Leiden.	Mag.	ξ'.	η'.
73009	C 14180	7·7	0·2898	2·5288
73037	C 14194	8·9	5·6555	4·8092
73012	C 14199	9·4	7·5397	2·5277
...	C 14208	9·5	11·1652	0·2673
73047	C 14218	8·8	14·1318	6·0413
73005	C 14228	9·1	17·0054	1·5489
73022	C 14232	8·7	17·5521	3·0971
73015	C 14238	9·1	17·8296	2·5977
73040	C 14251	9·0	21·3422	4·8683
73017	C 14257	8·8	23·0138	2·1444
73217	L 10023	8·8	2·1077	24·1118
73123	L 10024	9·2	2·3115	14·9976
73241	L 10027	8·8	3·3652	25·9401
73229	L 10039	9·0	6·5562	25·0112
73219	L 10041	8·8	6·9731	23·9646
73066	L 10043	8·8	7·2511	7·7398
73196	L 10042	9·0	7·2829	22·4260
73243	L 10048	8·8	9·8538	25·8199
73232	L 10051	7·0	11·2156	25·0843
73098	L 10052	8·6	11·6762	11·9654
73221	L 10057	8·8	13·5925	24·0632
73214	L 10062	8·8	16·2816	22·7991
73102	L 10069	8·8	21·1273	12·6438
73121	L 10070	9·0	21·1319	14·6404
73179	L 10073	8·5	21·5711	20·6688
73133	L 10074	8·0	21·8318	15·1929
73180	L 10078	9·0	23·0199	20·2021
73076	L 10087	8·8	25·7260	8·5693

R.A. 23^h 46^m (*See* Note)

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
...	C 14272	9·0	3·1373	3·1060
...	C 14289	8·6	6·4143	0·6785
73335	C 14311	9·0	11·2120	4·7236
73339	C 14322	9·5	14·7716	4·9709
73306	C 14323	9·0	14·8490	1·6947
73317	C 14332	8·0	18·0442	2·9687
73329	C 14337	8·0	20·3107	3·5950
73312	C 14338	9·3	20·6885	2·0886
73313	C 14344	9·5	22·9383	2·0624
73370	L 10087	8·8	2·4896	8·5470
73443	L 10088	9·0	3·0414	16·5429
73393	L 10090	8·5	3·2134	12·2184
73354	L 10093	9·3	4·6699	6·5371
73376	L 10094	8·8	4·7522	9·4717
73547	L 10095	9·0	5·4734	25·6540
73425	L 10101	7·7	7·3648	15·0777
73465	L 10102	8·3	7·6845	18·8495
73385	L 10103	9·0	8·3233	11·1277
73536	L 10107	8·5	9·3209	25·3570
73466	L 10108	9·0	10·0785	18·7372
73357	L 10110	8·8	10·1566	7·3650
73524	L 10109	9·5	10·1856	23·5621
73499	L 10111	9·3	10·2810	20·4779
73387	L 10112	9·0	10·2872	10·5175
73484	L 10114	9·1	11·0108	20·2710

R.A. 23^h 46^m (*continued*)

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
73417	L 10118	8·3	12·5756	13·7418
73439	L 10120	8·4	13·1753	15·8100
73508	L 10126	8·8	16·0488	22·3037
73473	L 10134	8·0	17·9062	19·1276
73519	L 10137	8·0	18·3919	23·2411
73451	L 10136	7·3	18·4139	17·2640
73553	L 10142	9·0	20·2200	25·6824
73373	L 10144	8·5	20·5247	8·7237
73520	L 10147	8·8	21·1553	23·0499
73453	L 10146	9·0	21·1859	16·4863
73455	L 10148	8·2	21·3326	17·1635
73382	L 10151	8·7	22·4727	10·3244
73360	L 10159	7·0	25·9097	7·3552

R.A. 23^h 55^m

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
73628	C 14359	9·1	3·9792	3·6634
73632	C 14380	8·1	9·6131	4·1704
73640	C 14405	9·2	16·2997	4·4378
73622	C 14406	7·8	16·5626	3·1660
73642	C 14412	9·3	17·6557	5·1621

R.A. 23^h 55^m (*continued*)

Reference Number. Oxford.	Cambridge or Leiden.	Mag.	Standard Co-ordinates. 1900·0. ξ'.	η'.
73658	L 10159	7·0	2·6486	7·3296
73770	L 10161	9·0	3·4333	18·2098
73699	L 10164	8·9	4·5188	11·3505
73833	L 10165	8·5	5·0398	22·3983
73661	L 10169	9·0	6·9983	6·8289
73785	L 10173	8·2	7·7712	18·6942
73669	L 10174	8·5	7·8376	8·2194
73746	L 10175	9·1	7·8794	15·5086
73821	L 10176	8·8	8·0718	21·6347
73757	L 10178	8·7	8·8680	16·5395
73725	L 10179	8·5	9·4615	14·2034
73772	L 10180	8·2	9·5498	17·6615
73836	L 10183	6·2	9·7382	22·9060
73860	L 10186	9·0	12·3171	24·7633
73715	L 10188	8·4	12·7531	12·7057
73679	L 10192	7·5	13·8768	9·0506
73750	L 10193	9·0	14·0840	15·5908
73774	L 10204	9·0	16·5234	17·4352
73751	L 10205	9·0	16·5693	15·5837
73776	L 10211	9·1	19·4065	17·5380
73761	L 10213	8·2	20·6167	16·7909
73852	L 10217	9·1	21·7252	23·8764
73796	L 10219	8·5	22·7389	18·4872
73829	L 10220	8·9	23·2328	22·1127
73779	L 10221	9·5	23·4468	18·1224

R.A. 23^h 46^m. Owing to a defect in one corner of the impression of the *réseau*, several stars were not measured; and this fact was unfortunately overlooked until the measures had been printed. The following five stars were thus omitted :—

Approximate d	x	y		
25	6·27	0·31	=	C 14289
18	7·94	0·54		
25	2·99	2·72	=	C 14272
18	0·40	3·02		
16	5·32	3·49		

Accurate measures of these are given on plate 23^h 42^m + 30°, with which this plate was carefully compared in the defective region. The comparison showed that there was nothing calling for special remark, except that fainter stars are shown on the + 30° plate.

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